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1973 - 1975 (Pt.)

Misc. Localities

1 - 140

Hanken, James
1973

Catalogue

Santiago Springs, 8 mi. E, 1 mi. S Simler, San Luis Obispo Co., Calif

13 Sept ~~1973~~ Coll. by Jim Patton

testes 18mm.
1 ♂ Peromyscus maniculatus 158-73-22-17 = 23.1 g.

Sagehen Creek, 2 mi. N Hobart Mills on St. Hwy 89, Range 16 E, Township 18 N, Nevada Co., Calif 6300'

19 Oct ~~1973~~

nulliparous
2 ♀ Peromyscus maniculatus 122-60-17-15 = 10.0 g.
scars 2-2-1; ripe follicles
3 ♀ Peromyscus maniculatus 163-76-18-17 = 17.8 g.

3.8 mi. NNW Hobart Mills, T19 N, R16E, SE 1/4 sect 32, Nevada Co, Calif elev.?

20 Oct 1993 coll. by Kevin Williams

testes 6mm
4 ♂ Eutamias amoenus 193-80-31-17 = 41.6 g.

Sagehen Creek, 2 mi. N Hobart Mills on St. Hwy 89, Range 16 E, Township 18 N, Nevada Co, Calif, 6300'

~~testes 3mm.~~
~~5 ♂ Peromyscus maniculatus~~ 19 Oct 1973
testes 3mm
5 ♂ Peromyscus maniculatus 133-65-20-16 = 11.9 g.

0.8 mi. W Chilcoot Trading Post on St Hwy 70, Plumas Co, Calif elev.?

21 Oct 1973

testes 14mm.
6 ♂ Dipodomys ordii 294-182-45-15 = 77.5 g

Hanken, James
1973

Catalogue

Sagehen Creek, 2 mi. N Hobart Mills on St. Hwy 89, Range 16E, Township 18N, Nevada Co, Calif, elev 6300'

20 Oct ~~1973~~

♂ testes 3mm.
7 ♂ Peromyscus maniculatus 131-61-19-15 = 10.3 g

0.8 mi. W Chilcoot Trading Post on St Hwy 70, Plumas Co, Calif

21 Oct ~~1973~~

parous; scars 1 r 0 l; embryo 3 r 1 l
8 ♀ Peromyscus maniculatus 127-59-19-14 = 13.4 g
9 ♀ Reithrodontomys megalotis 122-66-16-~~13~~ 13 = 8.3 g.
nulliparous
10 ♀ Perognathus parvus 167-96-24-7 = 16.6 g.

(9–10: coll. by Liz Gillis)

Hastings Natural History Reservation, Carmel Valley, Monterey Co, Calif ~~elev~~ ?

9 Nov 1973 (coll. by Jim Patton)

nulliparous
11 ♀ Thomomys bottae 178-64-27-7 = 71.3 g

10 Nov 1973

testes 10mm.
12 ♂ Peromyscus truei 212-112-21-21 = 25.7 g.
scrotal; testes ≈10 mm.
13 ♂ Peromyscus maniculatus 160-76-20-18 = 20.8 g.
perforate vagina; scars 2 r 1 l
14 ♀ Neotoma fuscipes 397-195-40-31 = 260 g.
nulliparous
15 ♀ Perognathus californicus 184-105-26-12 = 20.8 g

11 Nov 1973 (coll. by Gene Running-Wolf)

nulliparous
16 ♀ Peromyscus boylii 165+-77+-21-18 = 21.9 g.
?

Hanken, James

3

Catalogue

Southwestern Research Station, near Portal,
Cochise Co, Ariz, elev 5400'

23 Nov 1973 (Coll. by Vince Roth)

17 ♀ nulliparous *Mus musculus* 162-83-17-13=18.1g.

Hanken, James

1974

Catalogue

1.5 mi. S of turnoff to old airport, La Paz, Baja California Sur, Mexico

22 March 18 Sauromalus australis

19 " "

20 Phyllodactylus xanti

21 " "

22 " "

23 " "

24 " "

25 Ctenosaura hemilopha

County Rd. G16 ~12 mi. W of Greenfield, Monterey Co, Calif

9 June 26 Hypsiglena torquata - 287 mm. (s-v), 340 mm (s-t) prep: 14 June

Blomquist Pond, ~2/3 mi. N lower gate of Hastings Reservation, Carmel Valley, Monterey Co, Calif.

5 Oct 27 Rana aurora

28 " "

29 " "

Spring (ein) at Usfiya, Mt. Carmel, Haifa, Israel

25 Dec 30 Salamandra s. salamandra

31 " "

171346 32 " "

Hanken, James
1974

Catalogue

Lake Dalton, ~2 km. S of village of Dalton and ~5 km N of Sevat

26 Dec 33 Agama stellio
34 " "
35 " " } alive MVZ 175917
175918

Beit Itzhak, near Netanya, Israel
collected by Motke Avrahami 2 May 1972

27 Dec 36 ~~Spalax~~ Spalax ehrenbergi prep: 23 Jan 1974

Nahariya, Israel
collected by Motke Avrahami 15 Feb 1974

27 Dec 37 Spalax ehrenbergi prep: 17 Feb 1974

3 km. N Beit Shemesh, ~22 km. W Jerusalem, Israel

30 Dec 38 Ptyodactylus hasselquistii

~~Big Cr. at 2nd crossing~~
~~Hastings Reservation, Carmel Valley, Monterey Co., Calif.~~
~~coll. by Dave Bradford 1 March 1975~~

~~19 March 39 Rana aurora prep: 19 March 1975~~

Hawken, James

1975

Catatlogue

Bigh. at 2nd crossing, Hastings Reservation, Carmel Valley, Monterey Co, Calif.

collected by Dave Bradford 1 March 1975

19 March 39 Rana aurora prep: 19 March 1975

County Rte 45, 0.4 mi. S of junction w/ County Rte. 65, ~4 mi. N (by air) of Lewisburg, Benton Co., Oregon

23 March 40 Taricha granulosa

County Rte 48 approx. 6.9 mi. E of Gardiner, Douglas Co., Oregon

24 March 41 Plethodon vehiculum

42 " "

43 " "

44 " "

45 " "

46 " "

47 lost Plethodon [illegible]

Coos River Rd. approx. 7.5 mi. E of Eastside P.O., Coos Co., Oregon

25 March 48 Plethodon vehiculum

49 " "

50 " "

51 Aneides ferreus

52 " "

53 " "

Hankon, James
1975

Catalogue

Coos River Rd, approx. 7.5 mi E of Eastside P.O., Coos Co., Oregon

25 March 54 Aneides ferreus

Hwy 42S, 3.3 mi. W of junction Hwy's 42 & 42S in Coquille, Coos Co., Oregon

25 March 55 Plethodon dunni
56 Plethodon vehiculum
57 " "
58 } lost Plethodon – no ID
59
60

~~Hwy along road [illegible] mi. to [illegible] road toward Broadbent, Coos Co., Oregon~~

~~25th March~~

Squaw Valley Rd, .7 mi. N of junction w/ No. Bank Rogue River Rd., Curry Co., Oregon

26 March 61 Taricha granulosa

No. Bank Pistol R. Rd, 3.5 mi. E of Hwy 101, Curry Co, Oregon

26 March 62 Taricha granulosa

Hanken, James
1975

Catalogue

1.9 mi. NE junction w/ Hwy 101 on road from Brookings to Carpenterville (old 101), Curry Co, Oregon

26 March 63 *Aneides ferreus*
64 " "

Winchuck R. Rd., 1.8 mi. E of Hwy 101, Curry Co, Oregon

27 March 65 *Plethodon elongatus*
66 " "
67 " *dunni*

Winchuck R. Rd, 0.2 mi. W of Winchuck Campground, Curry Co, Oregon

27 March 68 *Plethodon elongatus*
69 " "
70 " "
71 " "
72 " "

Hunter Crk. Rd., 0.4 mi. E of Hwy 101, ~3.5 mi. N of Klamath, Del Norte Co, Calif.

27 March 73 *Hyla regilla*
74 " "

Hwy 1, 24.5 mi. N of Westport, Mendocino Co., Calif

28 March 75 *Aneides lugubris*
76 " "

Hanken, James

1975

Catalogue

Sierra Manzonal, ~10 mi. S of Cañanea, Sonora, Mexico

2 Apr collected Sept 1973 by one of V. Roth, L. Valenzuela, T. Brown, M. Brown, T. Mortensen, J. Hanken

77 Phrynosoma ditmarsi

~~16 April 78 Eumeces skiltonianus~~

County Rd G16, 4.3 mi. NW of entrance to Hastings Reservation, Carmel Valley, Monterey Co., Calif

16 April 78 Eumeces skiltonianus - alive

Texas Rte 90, 0.6 mi. N of Cedar Station, Val Verde County, Texas

25 April 79 Elaphe guttata

Pond at entrance Rio-Grande Valley State Park, Hidalgo Co, Texas

27 April 80 Bufo valliceps

81 " "

82 Rana berlandieri

83 " "

Villa Nueva, 1.5 mi. W ~~Brow~~ Brownsville City Limits, Cameron Co., Texas

29 April 84 Cnemidophorus gularis

85 " "

Hanken, James
1975

Catalogue

Villa Nueva, 1.5 mi. W Brownsville City Limits, Cameron Co., Texas

29 April 86 *Cnemidophorus gularis*

Road to Rancho del Cielo, NW of Gomez Farias, Tamaulipas S., Mexico

2 May 87 *Cnemidophorus gularis*
88 *Sceloporus variabilis*
91 *Chiropterotriton* ~~ch~~ *chondrostega*

Puerto los Virgines, along road to Ocampo 22 mi. from Mex 85, Tamaulipas S, Mexico

~~2 May~~ ~~89~~ ~~Road~~
2 May 89 *Cnemidophorus gularis*

Rio Commandante, 1.5 mi. (by road) from Mex 85, Tamaulipas S., Mexico

~~2 May~~ ~~90~~
2 May 90 *Cnemidophorus gularis*

Hotel Valles, Ciudad Valles, ~~Tamaulipas~~ San Luis Potosi S., Mexico

3 May 92 *Peropus* ("*Gehyra*") *mutilatus*
93 " "
94 " "
95 " "
96 " "
97 *Smilisca baudinii*

Hanken,
James
1975

Catalogue

El Venadito, on Mex Hwy 70, San Luis Potosi, Mexico

3 May 98 Sceloporus variabilis
99 " "

1.5-1.8 mi. W turnoff to Trés Lagunas on Mex. Hwy 120, ~~then~~ Queretaro, Mexico

4 May 100 Sceloporus torquata
101 " "

Cave 1.5 km (by road) E of Ahuacatlan, San Luis Potosi, Mexico

4 May 102 Syrrophus longipes

Cueva de la Iglesia, Ahuacatlan, San Luis Potosi, Mexico

4 May 103 Syrrophus longipes
104 Chiropterotriton ~~mangipes~~ magnipes
105 " "
106 " "
107 " "
108 " "

Hotel Covadonga, 5 mi. S of Ciudad Valles on Mex. Hwy 85, San Luis Potosi, Mexico

5 May 109 Ctenosaura acanthura

Hanken, James 1975

Catalogue

Puerto de la Zorro, Hidalgo, Mexico (on Mex hwy 85)

6 May 110 Sceloporus jarrovi
111 " "

2.0 mi. E Agua Zarca on Mex Hwy 80, San Luis Potosi, Mexico

8 May 112 Sceloporus torquata

Mex. Hwy 80 6.7 mi. E Ciudad del Maiz, San Luis Potosi, Mexico

8 May 113 Sceloporus variabilis
114 " "
115 " "
116 " "
117 Sceloporus spinosus
118 " "

Mex. Hwy 80 4.3 mi. E San Rafael, San Luis Potosi, Mexico

8 May 119 Sceloporus ~~spinosus~~ cautus

Jct. Mex Hwy's 80 + 101, San Luis Potosi, Mexico

8 May 120 Cnemidophorus

Hanken, James
1975

Catalogue

Arroyo E of Hwy 68, 3.3 mi. SSW Pablillo, Nuevo Leon, Mexico

9 May ✓ 121 *Sceloporus jarrovi minor*

✓ 122 " " "

123 " " "

124 " " "

Jct. Texas farm road 1588 and US Hwy 277, Eagle Pass, ~~Del Rio~~, Maverick ~~Val Verde~~ Co, Texas

10 May 125 *Phrynosoma cornutum*

2 mi. (by road) S of Tonopah, Maricopa Co, Arizona

11 May 126 *Lampropeltis getulus*

~~4.6 mi. E Dryden (via US Hwy 90), Terrell Co, Texas~~

~~10 May~~

Just N intersection Harquahala Rd. and Courthouse Rd, ~16 mi. W Tonopah, Maricopa Co., Arizona

11 May 127 *Bufo cognatus*

128 " "

129 " "

130 " "

131 " "

4.6 mi. E Dryden (via US Hwy 90), Terrell Co., Texas

10 May 132 *Rana berlandieri*

Hanken, James

1975

Catalogue

6.0 Mi. W Dryden (via US Hwy 90), Terrell Co, Texas

10 May 133 *Scaphiopus couchi*

7.5-8.5 mi. W Dryden (via US Hwy 90), Terrell Co, Texas

10 May 134 *Scaphiopus couchi*

18.3 mi. (via US Hwy 90) E jct. Hwy's 90 + 385 in Marathon, Brewster Co, Texas

10 May 135 *Thamnophis marcianus*

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vernal pools on Blomquist Ranch, ~1/4 mi NW pumphouse of Hastings Reservation, Carmel Valley, Monterey Co, Calif.

15-16 April 136 *Ambystoma tigrinum californiense* larvae - 37mm (S-t)

137 " " " " 35mm (s-t)

138 " " " " 30 mm (s-t)

139 " " " " 34mm (s-t)

140 " " " " alive

Costa Rica

5 - 26 July 1975

141 - 171

Hanken, James 1975

Catalogue

5 July (Collected 29 June)	141	Kinostemon leucostomam - Green Turtle Station, Tortuguero, Limon Province, Costa Rica
11 July	142	Eleutherodactylus sp. - summit trail at base Cerro Tortuguero, Limon Province, Costa Rica
	143	"
	144	"
12 July	145	Agalychnis callidryas (♂) } 50 yds. S of Green Turtle Station, Tortuguero, Limon Province, Costa Rica
	146	" " (♀)
	147	Hyla ebraccata
	148	" "
	149	Smilisca puma
	150	Hyla s. staufferi
	151	Iguana iguana
17 July	152	Drymobius rhombifer - river boat landing at Tortuguero, Limon Province, Costa Rica
17 July	153	Basiliscus vittatus - Green Turtle Station, Tortuguero, Limon Province, Costa Rica
19 July	154	Eleutherodactylus sp. } forest W of Tortuga Lodge Tortuguero, Limon Province, Costa Rica
	155	"
	156	"

Hanken, James
1975

Catalogue

19 July 157-160 Dendrobates pumilio - forest W of Tortuga Lodge, Tortuguero, Limon Province, Costa Rica

20 July 161 Bufo marinus - Green Turtle Station, sea level, Tortuguero, Limon Province, Costa Rica

22 July 162 Ameiva festiva } base of Cerro Tortuguero, sea level, Limon Province, Costa Rica
163 Eleutherodactylus sp.
164 "
165 Leiolopisma cherriei

23 July 166 Lepidoblepharis ~~xanthostigma~~ xanthostigma } Green Turtle Station, sea level, Tortuguero, Limon Province, Costa Rica
167 " "

24 July 168 Basiliscus vittatus - beach at Green Turtle Station, Tortuguero, Limon Province, Costa Rica

24 July 169 Imantodes cenchoa - Green Turtle Station, Tortuguero, Limon Province, Costa Rica

~~24 July 170 Rana - Laguna Penitencia 3/4 mi. S of Cerro Tortuguero, Limon Province, Costa Rica~~

24 July 170 snake - Green Turtle Station, sea level, Tortuguero, Limon Province, Costa Rica

Hauken,
James
1975

Catalogue

Laguna Penitencia, 3/4 mi. S of Cerro Tortuguero,
Limon Province, Costa Rica

26 July 171 Rana palmipes

Panama

7 - 27 August 1975

P 1 - P 110

J. F. Lynch
1975

Catalogue

PANAMA - 1975

7 August	Hotel Su-Lin, Cerro Campana, Prov. Panama, Panama (elev. 850 m)
P1	*Oedipina* (complex?) - found dead on ~~pavement~~ swimming pool deck
9 August	~~Eastern~~ Southeastern slope of Volcan Chiriquí, 7.0 km W, 2.5 km N (air line) Boquete, Prov. Chiriquí, Panama (elev. 2100-2125 m)
P2	*Sceloporus malachiticus*
P3	" "
P4	" "
P5	" "
P6	" "
9 August	Southeastern slope of Volcan Chiriquí, 7.5 km W, 2.5 km N (air line) Boquete, Prov. Chiriquí, Panama (elev. 2160 m)
P7	*Barisia monticola*
9 August	Southeastern slope of Volcan Chiriquí, 7.8 km W, 2.5 km N (air line) Boquete, Prov. Chiriquí, Panama (elev. 2400 m)
P8	*Bolitoglossa* sp. (large black *magnadigita*-type) 104 mm SL
P9	" 93 mm SL
P10	" 107 mm SL
P11	" 95 mm SL
P12	" 55 mm SL
P13	" 51 mm SL
P14	" 51 mm SL
P15	"
P16	"
P17	"
P18	"

J.F. Lynch
1975

Panama - 1975

9 Aug (cont'd) Southeastern slope of Volcan Chiriqui, 7.8 km W, 2.5 km N (air line) Boquete, Prov. Chiriqui, Panama (elev. 2400 m)

P19 Anolis sp. - small, warm brown, yell-mid dors. stripe, red dewlap
P20 "
P21 "

9 Aug. Southeastern slope of Volcan Chiriqui, 8 km W, 2.5 km N (air line) Boquete, Prov. Chiriqui, Panama (elev. 2415 m)

P22 Sceloporus malachiticus
P23 " "

9 Aug. Southeastern slope of Volcan Chiriqui, 8 km W, 2.5 km N (air line) Boquete, Prov. Chiriqui, Panama (elev. 2450 m)

P24 Bolitoglossa sp. - like med.-sized individuals in P8-18 series

9 Aug Southeastern slope of Volcan Chiriqui, 9.8 km W, 2.2 km N (air line) Boquete, Prov. Chiriqui, Panama (elev. 2660 m)

P25 Bolitoglossa minutula
P26 " "
P27 " "

10 Aug Plateau above N. bank Quebrada El Velo, 4.9 km W, 4.5 km N (air line) Boquete, Dept. Chiriqui, Panama (elev. 1745 m)

P28 Rhadinea ~~sp.~~ godmani - inside lg. rotten log in cafetal

J.F. Lynch

12 Aug. Trail from Cerro Punta to Paso ~~9.5 km~~ de Respingo, 3 km (air line) East Cerro Punta, Prov. Chiriqui, Panama (2250 m)

P29 *Rana* sp. [vibicaria?] – looks like *warschewitzi*

P30 *Anolis* sp.

P31 "

P32 "

P33 "

P34 "

P35 "

P36 "

12 Aug Paso de Respingo, 4.5 km (air line) East Cerro Punta, Dept. Chiriqui, Panama (elev. 2450-2500 m)

P37 *Rana* sp. (same as P29) *vibicaria?*

P38 " " " " "

12 Aug. ~~Ea~~ [SW] flank Cerro Respingo, 4.8 km (air line) East Cerro Punta, Prov. Chiriqui, Panama (elev. 2645 m)

P39 Snake (~~Geophis~~?) inside lg. rotten log in clearing

Rhadinea calligaster

12 Aug [Southern] flank Cerro Respingo, 5.0 km (air line) East Cerro Punta, Prov. Chiriqui, Panama (elev. 2710 m)

P40 *Bolitoglossa* sp. (may be *compacta*) – under log 11.8°C.

P41 " " } 2760 m { juve under bark of lg. log; adult inside

P42 "

P43 " 2780 m - Juve under 5'x6"x6" log

J.T. Lynch
1975

Catalogue

13 Aug. | Forest above hwy. 11, 12 km (by rd.) NW El Hato del Volcan, Prov. Chiriquí, Panama (elev. 1600 m) (hut called "Cerro Pando" on topo sheet)

P44 | *Eleutherodactylus* sp.

P45 | "

P46 | *Anolis* sp. (elev. 1450 m)

Hauken,
James
1975

Catalogue

Pan American Highway, 100 meters W of E boundary of Chiriqui Province, Chiriqui Province, Panama

15 August P47 Chironius carinatus -DOR

5 km ~~W~~ E + 2 km N (by air) Boquete, Chiriqui Province, Panama, 1950 m. elev

16 August P48 Anolis

4 km E + 2 km N (by air) Boquete, Chiriqui Province, Panama, 1820 m. elev

16 August P49 Rana ~~[illegible]~~ pipiens

1 km. E + 1 km N (by air) Boquete, Chiriqui Province, Panama, 1200 m elevation

16 August P50 Anolis

~~5 km W + 4 km N (by air) Boquete, Chiriqui~~
Quebrada El Velo, 5 km W + 4 km N (by air) Boquete, Chiriqui Province, Panama, 1650 m. el.

17 August P51 Anolis

E rim of crater, 2 km E + 1 km S (by air) peak of Volcan de Chiriqui, Chiriqui Province, Panama, 2940 m. el.

18 August P52 Bolitoglossa marmorea
P53 " "
P54 " "
P55 " "

Hanken,
James
1975

Catalogue

E rim of crater, 2 km E + 1 km S (by air) peak of Volcan de Chiriqui, Chiriqui Province, Panama, 2990 m. elev

18 August P56 *Bolitoglossa marmorea*
P57 " "
P58 " "
P59 " "

E rim of crater, 2 km. E + 1½ km S (by air) peak of Volcan de Chiriqui, Chiriqui Province, Panama, 2970 m. elev

18 August P60 *Bolitoglossa marmorea*

2 km E (by air) of peak of Volcan de Chiriqui along road, Chiriqui Province, Panama, 2970 m. elev

18 August P61 *Bolitoglossa marmorea*

2 km E + 1½ km S (by air) peak of Volcan de Chiriqui (along road), Chiriqui Province, Panama 2780-2860 m el.

18 August P62 *Bolitoglossa marmorea*
P63 " "
P64 " "
P65 " "
P66 " "
P67 " "
P68 " "

Hanken, James 1975

Catalogue

1 km. (by air) NE peak of Volcan de Chiriqui, ~~[illegible]~~ (along road), Chiriqui Province, Panama, 3180 m. elev

19 August P69 *Bolitoglossa marmorea*
P70 " "

1½ km. E (by air) peak of Volcan de Chiriqui (along road), Chiriqui Province, Panama, 3060 m

19 August P71 *Bolitoglossa marmorea*
P72 " "

2 km W + ½ km N of Cerro Punta (mountain), Chiriqui Province, Panama, 2160 m. el.

21 August P73 *Eleutherodactylus* } color notes
P74 *Atelopus* - pale green } 21 August

5 km W & 5½ km N (by air) jct. of Hwy's 11 + 13 in El Hato del Volcan, Chiriqui Province, Panama, 1535 m. elev

21 August P75 *Dermophis mexicanus*

8 km W & 5 km N (by air) jct of hwy's 11 + 13 in El Hato del Volcan, Chiriqui Province, Panama, 1250 m. elev

21 August P76 *Bufo marinus* - color notes 23 August

10 km W + 5½ km N (by air) jct. hwy's 11 + 13 in El Hato del Volcan, Chiriqui Province, Panama, 1225 m. elev.

21 August P77 *Smilisca sila* } color notes
P78 " " white } 23 August

Hanken
James
1975

Catalogue

Hwy 11, 26 km NW (by road) jct. with hwy 13 in El Hato del Volcan, Chiriqui Province, Panama, elev. 1160 m.

21 August P79 Imantodes inornatus - color notes 22 August

5½ km N + 5½ km W jct. hwy's 11 + 13 in El Hato del Volcan, Chiriqui Province, Panama, elev. 1540 m

21 August P80 Leptodactylus sp. - color notes 23 August

2 km W + 1½ km N (by air) Cerro Punta (mountain) Chiriqui Province, Panama, elev. 2140 m

22 August P81 Bolitoglossa minutula
P82a Eleutherodactylus - found brooding
P82b eggs of P82a

2 km W + 2 km N (by air) Cerro Punta (mountain) Chiriqui Province, Panama, 2270 m elev

171,339
23 August P83 Atelopus - yellow + black

Along hwy 3 km (by road) E Progreso Guard Station, Chiriqui Province, Panama, elev. 60 m.

24 August P84 [illegible]

2 km. E + 1 km S (by air) Progreso Guard Station, Chiriqui Province, Panama, elev. 60 m.

24 August P85 Engystomops pustulosus

Hanken, James
1975

Catalogue

4 km (by road) N Progreso Guard Station, Chiriqui Province, Panama, elev. 60 m

24 August P86 Hyla elaechroa

4 km N + 3 1/2 km W (by air) jct. of hwy's 11 + 13 in El Hato del Volcan, Chiriqui Province, Panama, elev. 1370 m.

24 August P87 Rana warschewitschii

8 km (by road) N of La Concepcion, Chiriqui Province, Panama, elev. 500 m., DOR

25 August P88 Boa constrictor

~1 km NE Hotel Turistico, El Valle de Anton, Cocle Province, Panama, elev. 780 m

26 August P89 Geophis hoffmani
P90 Lepidoblepharis sanctaemartae

La Mesa, ~2 km N (by air) El Valle de Anton, Cocle Province, Panama, elev. 880 m

26 August P91 Echinosaura horrida panamensis
P92 " " "

1/2 km E (by road) Hotel Greco, El Valle de Anton, Cocle Province, Panama, elev. 600 m.

26 August P93 Hyla staufferi altae
P94 "

Hanken, James 1975

Catalogue

1/2 km E (by road) Hotel Greco, El Valle de Anton, Cocle Province, Panama, elev. 600 m

26 August P95 Hyla staufferi altae
P96 Engystomops pustulosus
P97 "
P98 ~~Smilisca sila~~ Leptodactylus sp.

1 km (by air) SW Hotel Greco, El Valle de Anton, Cocle Province, Panama, elev. 630 m.

27 August P99 Colostethus pratti
P100 " "
P101 " "
P102 " "
P103 " "
P104 " "
P105 " "
P106 " "
P107 Eleutherodactylus sp.

1 km (by road) N of Hotel Su-Lin, Cerro Campana, Panama Province, Panama, elev. 850 m.

27 August P108 Eleutherodactylus

MVZ, UC Berkeley
P109 Bolitoglossa compacta } offspring of MVZ 128635
P110 " " } deposited in corkroom

1975 (Pt.), 1976 (Pt.)

Misc. Localities U.S.

172 - 290

Hanken, James
1975

Catalogue

Smith Lake, Desolation Wilderness Area, Eldorado National Forest, Eldorado Co., Calif., 8720' elev.

4 October	172	*Hydromantes platycephalus*
	173	" "
	174	" "
	175	" "
	176	*Rana muscosa*
	177	" "

Hanken,
James
1976

Catalogue

Jack Ranch Rd, 4.3 mi. (by rd) N of Glennville,
Kern County, California

28 March	178	Batrachoseps	"little foot"
	179	"	"
	180	"	"
	181	"	"
	182	"	"
	183	"	"
	184	"	"
	185	"	"
	186	"	"
	187	"	"
	188	"	"
	189	"	"
	190	"	"
	191	"	"
	192	"	"
	193	"	"
	194	"	"
	195	"	"
	196	Eumeces	gilberti
	197	"	"
	198	Sceloporus	occidentalis

Hanken, James 1976

Catalogue

0.5 mi. (by rd.) E of Sugarloaf Village, Kern County, California

28 March 199 Ensatina eschscholtzii platensis

200 " " "

~~0.8~~ 0.3 mi (by rd.) E of Sugarloaf Village, Kern County, California

28 March 201 Ensatina eschscholtzii platensis

202 " " "

2.2 mi. (by rd.) E of Sugarloaf Village, Kern County, California

28 March 203 Ensatina eschscholtzii platensis

204 " " "

5.4 mi. E of Glennville on Hwy 155, Kern County, California

28 March 205 Batrachoseps "little foot"

206 Ensatina eschscholtzii platensis

N side Kern R., 6.3 mi (by rd.) N of Democrat Hot Springs, Kern Co, Calif

28 March 207 Xantusia vigilis

canyon 1/4 mi. beyond Cow Heaven Spring, Scodie Mts, Kern Co, Calif

1 April 208 Xantusia vigilis

Hanken, James 1976

Catalogue

Bird Spring Canyon Rd 1/4 mi. E Kelso Valley Rd, Kern Co, Calif

2 April	209	Xantusia vigilis
	210	" "
	211	" "
	212	" "
	213	" "
	214	" "
	215	" "
	216	" "
	217	Sceloporus magister

Mulholland Drive at Coldwater Canyon Pass, Los Angeles Co, Calif

17 April	218	Batrachoseps nigroventris
	219	" "
	220	" "

Hanken, James 1976

Catalogue

~~4 mi~~ 1.2 mi. N of Portal along road to Paradise, Cochise Co., Arizona, 4600' elev

4 July 221 *Urosaurus ornatus*

222 " "

223 " "

224 " "

Sentinel Canyon, 1/4 - 1/2 mi. above So. Fork Campground, Portal, ~~Arizona~~ Cochise Co, Arizona

4 July 225 *Sceloporus jarrovi*

226 " "

227 *Sceloporus virgatus*

Animas, Hidalgo Co., New Mexico

4 July 228 *Bufo cognatus*

229 " "

230 " "

Hwy 9, 1.3 mi. W Animas, Hidalgo Co. New Mexico

4 July 231 *Scaphiopus*

Hwy 9, ~~1.4~~ 1.7 mi. W Animas, Hidalgo Co., New Mexico

232 *Bufo cognatus*

Hanken,
James
1976

Catalogue

Hwy 80, 1/4 mi. N jct. with Hwy 9, Hidalgo Co, New Mexico

5 July 233 Phrynosoma coronatum

Hwy 90, 7.9 mi. E Marathon, Val Verde Co., Texas

5 July 234 Crotalus (viridis?)

Hwy 90, 40.7 mi. E Marathon, Val Verde Co, Texas

5 July 235 Bufo (valliceps?)

Mexico trip - see M 4178-6096

Texas Hwy 277, 28 mi. (by road) S of Del Rio, Val Verde Co, Texas

4 August 236 Masticophis - DOR

Texas Hwy. 90, 13 mi. (by road) E of Marfa, Co, Texas

5 August 237 Terrapene ornata

New Mexico Hwy 9, 2.8 mi (by road) W of Animas, Hidalgo Co, New Mexico

5 August 238 Salvadora hexalepis

Hanken, James 1976

Catalogue

vicinity of Animas, Hidalgo Co, New Mexico

5 August 239 Bufo cognatus

State Line Rd, ~~¾~~ ½ mi N Rodeo, Hidalgo Co., New Mexico

5 August 240 Bufo cognatus
241 " "
242 " "
243 " "
244 Scaphiopus hammondi
245 " "
246 " "
247 " "
248 " "
249 " "
250 " "
251 " "
252 " "
253 " "
254 " "
255 " "
256 " "
257 " "
258 " "
~~259~~

Hanken, James 1976

Catalogue

6.0 mi. (by road) NW of junction with Calif Hwy 168 on road to Ancient Bristlecone Pine Forest, Inyo Co., Calif, ~8400' elev.

19 Sept 259 *Masticophis taeniatus* -DOR

Silver Canyon Rd, 4.6 mi (by rd.) E of jct. with Calif Hwy 6, Inyo Co, Calif

19 Sept 260 *Lampropeltis getulus*

Silver Canyon Rd, 4.3 mi (by rd.) E of jct. with Calif Hwy 6, Inyo Co, Calif

19 Sept 261 *Sorex*

Calif Hwy 120 at W entrance to Yosemite Park, Stanislaus Co, Calif

19 Sept 262 *Ensatina eschscholtzii platensis*

~~Ya~~ Skaggs Springs Rd, 24 mi. (by rd.) E of jct. with Calif Hwy 1 at Stewart's Pt., Sonoma Co, Calif

J. Hanken + S. Susnowitz coll.

28 Dec 263 *Aneides flavipunctatus*

264 " "

265 " "

266 *Batrachoseps attenuatus*

267 " "

268 " "

269 " "

270 " "

Hanken, James 1976

Catalogue

+S. Susnowitz coll. — Skaggs Spring Rd. 24 mi (by rd.) E of jct. with Calif Hwy 1 at Stewart's Point, Sonoma Co, Calif

28 Dec 271 Batrachoseps attenuatus
272 " "

+S. Susnowitz coll. — Comptche-Ukiah Rd., 1.0 mi. E (by rd) jct. with Calif. Hwy 1 at Little River, Mendocino Co, Calif.

29 Dec 273 Batrachoseps attenuatus
274 " "
275 " "
276 " "
277 " "
278 " "

+S. Susnowitz coll. — Calif. Hwy 20, 7.5 mi. E (by rd) jct. with Calif Hwy 1 at Fort Bragg, Mendocino Co, Calif.

29 Dec 279 Ensatina eschscholtzii oregonensis
280 Batrachoseps attenuatus
281 " "
282 " "
283 " "
284 " "
285 " "
286 " "

Hanken, James 1976

Catalogue

H & S Susnowitz coll.

Calif Hwy 20, 19 mi E (by rd.) jct with Calif Hwy 1 at Fort Bragg, Mendocino Co, Calif.

29 Dec

287 Ensatina eschscholtzii oregonensis

288 " " "

289 Aneides ferreus

290 Batrachoseps attenuatus

Mexico

29 January - 18 February 1976

M 2786 - M 4037

Hanken, James
1976

Catalogue

Mexico - Winter 1976

Pine forest S of Mexican Hwy 150, 9.5 Km (by road) W of church in Rio Frio, Est. Mexico, Mexico, 3100 m.

29 January M2786 ~~Parvimolge~~ ♀ Pseudoeurycea leprosa
M2787 ~~Gerrhon~~ Barisia
M2788 "
M2789 Sceloporus form
M2790 " "
M2791 " "
M2792 " "
M2793 " "
M2794 " S2

Avenida 1 Poniente, 1.1 km. W of Fortin town square, Est. Veracruz, Mexico, elev. ~~960 m~~ 1000 m.

30 January M2795 Bolitoglossa platydactyla - under rock
M2796 Bolitoglossa rufescens - in bananas
M2797 Eleutherodactylus T, E1 (Frozen) } under rocks
M2798 Eleutherodactylus
M2799 Sceloporus S1
M2800 snake (~~Adine~~?) } under rocks
M2801 " F2
M2802 " alive

Casa de Victor Cron, W of Cuatlalpan on Cerro Chicahuaxtla, Est. Veracruz, Mexico, 980-1060 m

30 January M2803 Thorius pennatulus } T2
M2804 " "

Hanken, James 1976

~~Journal~~
Catalogue

Mexico - Winter '76

Casa de Victor Cerón, W of Cuatlalpan on Cerro Chicahuaxtla, Est. Veracruz, Mexico, 980-1060m.

30 January M2805 Thorius pennatulus - T1
M2806 - Lineatriton lineola - 4 tails frozen as F128,129
M2815 ~~Bolitoglossa rufescens~~ ~~B1~~
M2816 Bolitoglossa rufescens
M2817 " " ~~B2~~ B1
M2818 " "
M2819 " " ~~B3~~ B2
M2820 " " B3
M2821 " " ~~B4~~
M2822 " " - B4
M2823 Anolis
M2824 snake (Ninia?)
M2825 "
M2826 "
M2827 " ~~[illegible]~~ F1
M2828 " alive
M2829 snake (Coniophanes-like)
~~M2830~~

Summit forest of Cerro Chicahuaxtla, Cuatlalpan, Est. Veracruz, Mexico, ~~1570 m. elev.~~ 1510-1540m.

31 January M2830 Pseudoeurycea nigromaculata
M2831 Thorius ? T3 (Parvimolge?)
M2832 " T4
M2833 two tadpoles in bromeliad

Hankey James 1976

Catalogue ~~Journal~~

Mexico - Winter '76

Banana ~~fields~~ + coffee fields W of Cuatlalpan, Est. Veracruz, Mexico, elev. ~~1510~~ 1000-1150 m.

31 January	M2834	*Thorius*	F12
	M2835	*Lineatriton lineola*	
	M2836	" "	
	M2837	*Bolitoglossa rufescens*	B5
	M2838	" "	B5
	M2839	" "	B6
	M2840	" "	B6
	M2841	" "	B7
	M2842	" "	B7
	M2843	" "	B7 ~~B8~~
	M2844	" "	B8
	M2845	" "	B8
	M2846	" " ~~Lineatriton lineola~~ - cut with machete; Frozen 4 hours later	B9
	M2847	*Lineatriton lineola*	

Clearing ~12 Km E (by rd) San Felipe on dirt road to Micro Ondas, Est. Puebla, Mexico, elev. 2660 m.

1 February	M2848	*Thorius*	F13
	M2849	"	F13
	M2850	"	F13
	M2851	"	F13
	M2852	"	F13
	M2853	"	F14 (part)
	M2854	"	F14 (part)
	M2855	"	F14 (part)

Hanken, James 1976

Catalogue

Mexico - Winter '76

Clearing ~12 Km E (by road) San Felipe on dirt road to Micro Ondas, Est. Puebla, Mexico, elev. 2660 m.

Date	No.	Species	Remarks
1 February	M2856	Thorius	F14 (part) (M2856–M2857)
	M2857	"	
	M2858	"	F15 (M2858–M2862)
	M2859	"	
	M2860	"	
	M2861	"	
	M2862	"	
	M2863	"	F16 (M2863–M2867)
	M2864	"	
	M2865	"	
	M2866	"	
	M2867	"	
	M2868	"	F17 (M2868–M2872)
	M2869	"	
	M2870	"	
	M2871	"	
	M2872	"	
	M2873	"	~~alive~~ } 30 June 1976 (M2873–M2875)
	M2874	"	"
	M2875	"	"
	M2876	"	alive
	M2877	"	# F481
	M2878	"	form
	M2879	"	"
	M2880	"	"

Hanken, James 1976

Catalogue

Mexico - Winter '76

Clearing ~12 km E (by road) San Felipe on dirt road to Micro Ondas, Est. Puebla, Mexico, elev. 2660 m

1 February	M2881	Thorius	Form
	M2882	"	"
	M2883	"	"
	M2884	"	"
	M2885	"	"
•	M2886-~~2896~~	Pseudoeurycea leprosa	
	M2887	" "	
	M2888	" "	
	M2889	" "	
	M2890	" "	
	M2891	" "	
	M2892	" "	
	M2893	" "	
	M2894	" "	
	M2895	" "	
	M2896	" "	
	M2897	Sceloporus sp.	Form
	M2899	"	F3
	M~~29~~2900	"	alive
	M2901	Sceloporus sp.	~~[illegible]~~ alive

Hanken, James 1976

Catalogue

Mexico - Winter '76

Road bank and forest ~10 Km E San Felipe on dirt road to Micro Ondas, Edo. Puebla, Mexico, elev. 2790 m.

1 February	M2902	Thorius	Form
	M2903	"	
	M2904	"	
	M2905	"	
	M2906	"	
	M2907	"	
	M2908	"	F4
	M2909	"	
	M2910	"	
	M2911	"	
	M2912	"	
	M2913	"	F5
	M2914	"	
	M2915	"	
	M2916	"	
	M2917	"	
	M2918	"	F6
	M2919	"	
	M2920	"	
	M2921	"	
	M2922	"	
	M2923	"	F7 (part)
	M2924	"	
	M2925	"	
	M2926	"	

Hanken
James
1976

Catalogue

Mexico - Winter '76

Road bank and forest ~10 Km E San Felipe on dirt road to Micro Ondas, Est. Puebla, Mexico, elev. 2790 m

Date	Number	Taxon	Field no.
1 February	M2927	Thorius	F7 (part)
	M2928	"	F8
	M2929	"	F8
	M2930	"	F8
	M2931	"	F8
	M2932	"	F8
	M2933	"	F9
	M2934	"	F9
	M2935	"	F9
	M2936	"	F9
	M2937	"	F9

Forest along dirt road 3.2 km S of Mex Hwy 150 at Puerto del Aire, Est. Veracruz, Mexico, elev. 2380 m

Date	Number	Taxon	Field no.
1 February	M2938	Thorius	~~F18~~ F49
	M2939	"	~~F18~~ F49
	M2940	"	~~F18~~ F49
	M2941	"	~~F18~~ F49
	M2942	"	~~F19~~ F50
	M2943	"	~~F19~~ F50
	M2944	"	~~F19~~ F50
	M2945	"	~~F19~~ F50
	M2946	"	~~F19~~ F50
	M2947	"	~~F19~~ F50
	M2948	"	~~F20 (part)~~ F51 (part)

Hauken, James 1976

Catalogue

Mexico – Winter '76

Forest along dirt road 3.2 Km S of Mex Hwy 150 at Puerto del Aire, Est. Veracruz, Mexico, elev. 2380 m

Date	No.	Taxon		
1 February	M2949	Thorius	F21	FS1 (part)
	M2950	"		
	M2951	"		
	M2952	"		
	M2953	"		FS2
	M2954	"		
	M2955	"		
	M2956	"		
	M2957	"		
	M2958	"	FS3	
	M2959	"		
	M2960	"		
	M2961	"		
	M2962	"		
	M2963	"	FS4	
	M2964	"		
	M2965	"		pres 30 June 1976
	M2966	"	"	
	M2967	"	"	
	M2968	"	"	
	M2969	"	"	
	M2970	"	"	
	M2971	"	"	
	M2972	"	Form	
	M2973	"	"	

Hanken,
James
1976

Catalogue

Mexico - Winter '76

Forest along dirt road 3.2 km S of Mex Hwy 150 at Puerto del Aire, Est. Veracruz, Mexico, elev. 2380 m.

1 February	M2974	Thorius	Form
	M2975	"	"
	M2976	"	"
	M2977	"	
	M2978	"	Form
	M2979	Abronia	to John Wright

Forest along dirt road 0.8 km S of Mex Hwy 150 at Puerto del Aire, Est. Veracruz, Mexico 2325 m.

1 February	M2980	Abronia	to John Wright
	M2981	"	"
	M2982	"	"
	M2983	"	"
	M2984	"	
	~~M2985~~		

Pine-oak forest 1.5 km W (by road) Texmola on SW slope of Cerro Orizaba, Est. Veracruz, Mexico, 2640 m.

2 February	M2985	Thorius	F18 (M2985–M2989)
	M2986	"	
	M2987	"	
	M2988	"	
	M2989	"	
	M2990	"	F19 (part) (M2990–M2992)
	M2991	"	
	M2992	"	

Hanken, James

1976

Catalogue

Mexico - Winter '76

Pine-oak forest 1.5 Km W (by road) Texmola on SW slope of Cerro Orizaba, Est. Veracruz, Mexico, 26/i/7

2 February	M2993	Thorius	F19 (part)	
	M2994	"	F19 (part)	
	M2995	"	F20	
	M2996	"	F20	
	M2997	"	F20	
	M2998	"	F20	
	M2999	"	F20	
	M3000	"	F21	
	M3001	"	F21	
	M3002	"	F21	
	M3003	"	F21	
	M3004	"	F21	
	M3005	"	F22	
	M3006	"	F22	
	M3007	"	F22	
	M3008	"	F22	
	M3009	"	F22	
	M3010	"	F23	
	M3011	"	F23	
	M3012	"		form
	M3013	"		"
	M3014	"		"
	M3015	"		"
	M3016	"		"
	M3017	"		"

Hanken, James 1976

Catalogue

Mexico - Winter '76

Pine-oak forest 1.5 Km W (by road) Tepnolacan, 2640 m, SW slope of Cerro Orizaba, Est. Veracruz, Mexico,

2 Feb M 3018 Thorius form
M 3019 " "
M 3020 " "
M 3021 " "
M 3022 " "
M 3023 " alc.
M 3024 " ~~form~~?
M 3025 "
M 3026 "
M 3027 "
M 3028 "
M 3029 " pres ~~alive~~ 30 June 1976
M 3030 "
M 3031 "
M 3032 "
M 3033 "
M 3034 " alive
M 3037 " alive
M 3038 Pseudoeurycea
M 3039 "
M 3040 "

Hanken, James 1976

Catalogue

Mexico - Winter '76

Canyon ~1 km SE of El Berro which is <15 km (by air) SW of Pico de Orizaba, Est. Veracruz, Mexico, 2500 m.

Date	No.	Taxon	Form
2 February	M 3041	Thorius	form
	M 3042	"	"
	M 3043	"	"
	M 3044	"	"
	M 3045	"	"
	M 3046	"	"
	M 3047	"	"
	M 3048	"	"
	M 3049	"	"
	M 3050	"	"
	M 3051	"	F24 (M 3051–3055)
	M 3052	"	
	M 3053	"	
	M 3054	"	
	M 3055	"	
	M 3056	"	F25 (M 3056–3060)
	M 3057	"	
	M 3058	"	
	M 3059	"	
	M 3060	"	
	M 3061	"	F26 (M 3061–3065)
	M 3062	"	
	M 3063	"	
	M 3064	"	
	M 3065	"	

Hauken, James 1976

Catalogue

Mexico-Winter '76

Canyon ~ 1 Km SE of El Berro which is <15 km (by air) SE of Pico de Orizaba, Est. Veracruz, Mexico, 2500 m.

2 February	M 3066	Thorius		F27
	M 3067	"		F27
	M 3068	"		F27
	M 3069	"		F27
	M 3070	"		F27
	M 3071	"		F28
	M 3072	"		F28
	M 3073	"		F28
	M 3074	"		F28
	M 3075	"		F28
	M 3076	"		F29
	M 3077	"		F29
	M 3078	"		F29
	M 3079	"		F29
	M 3080	"		F29
	M 3081	"	~~alive~~	pres 30 June 1976
	M 3082	"	"	pres 30 June 1976
	M 3083	"	"	pres 30 June 1976
	M 3084	"	"	pres 30 June 1976
	M 3085	"	"	
	M 3086	"	alive	
	M 3087	"	"	
	M 3088	"	"	
	M 3089	"	"	
	M 3090	"	"	

Hanken, James 1976

Catalogue

Mexico - Winter '76

Canyon ~1 Km SE of El Berro which is <15 Km (by air) SW of Pico de Orizaba, Est. Veracruz, Mexico, 2500 m.

2 February M3091 Pseudoeurycea

M 3092 "

M 3093 "

M 3094 "

M 3095 ~~P.~~ Pseudoeurycea ~~(?)~~ gadovi

M3096-3119 Hyla — M3115-9 alive

M3ϕ20-3ϕ27 Sceloporus — one frozen 3ϕ25=F4 ~~[illegible] alive, rest in form~~ 3127 alive

~~M~~

Casa de Miguel Ceron, Cuatlalpan, Est. Veracruz, Mexico, 970 m.

2 February M3ϕ28 } 2 snakes found near house since last summer
M3ϕ29 } when John Wright left a bottle of formalin

Avenida 1 Poniente, 1.1 km W of Fortin town square, Est. Veracruz, Mexico, elev. 1000 m

3 February M3ϕ30 Bolitoglossa rufescens } F10

M3ϕ31 " " }

M3ϕ32 Lineatriton lineola

M3ϕ33 " "

M3ϕ34 " "

M3ϕ35 Bufo "

M3ϕ36 Frog (Leptodactylid?)

M3ϕ37 snake (dark with yellow neck band)

M3ϕ38 " "

M3ϕ39a " "

M3139b ~~M3ϕ40~~ " "

Hauken, James 1976

Catalogue

Mexico - Winter '76

vacant lot ~~opposite~~ Las Palmas Motel on Mex. Hwy 150
4.1 km E Fortin, Est. Veracruz, Mexico, 950m.

3 February	M3040	Bolitoglossa platydactyla	
	M3041	" "	
	M3042	" "	
	M3043	frog	
	M3044	frog	

0.5 Km NE Catemaco town square ~~in people's yards~~ in people's yards
Est. Veracruz, Mexico

4 February	M3045	Bolitoglossa platydactyla	
	M3046	Bufo marinus	form
	M3047	" "	form

~~0.6~~ 1.5 km NE Catemaco town square, Est. Veracruz, Mexico

4 February	M3048	frog	
	M3049	Sceloporus	

SW slopes Volcan San Martin along trail from
San Andres Tuxtla, Est Veracruz, Mexico, 890-1200m

5 February	M3150	Pseudoeurycea ~~welleri~~ werleri	form
	M3151	" "	"
	M3152	" "	"
	M3153	" "	"
	M3154	" "	"
	M3155	" "	"

Hanken, James
1976

Catalogue

Mexico - Winter '76

SW slopes Volcan San Martin along trail from San Andres Tuxtla, Est. Veracruz, Mexico, 890-1200 m.

5 February	M3156	Pseudoeurycea	~~[illegible]~~ werleri	Form
	M 3157	"	"	"
	M 3158	"	"	"
	M 3159	"	"	
	M 3160	"	"	
	M 3161	"	"	
	M 3162	"	"	
	M 3163	"	"	
	M 3164	"	"	
	M 3165	"	"	
	M 3166	Thorius		} F11
	M 3167	"		}
	M 3168	"		}
	M 3169	"		}
	M 3170	"		}
	M3171abc	"		}
	M3172	"		- formalin
	M3173	Eleutherodactylus		"
	M 3174	"		"
	M 3175	"		"
	M 3176	"		"
	M 3177	"		"
	M 3178	"		"
	M 3179	"		"
	M 3180	"		"

Hanken,
James
1976

Catalogue

Mexico - Winter '76

SW slopes Volcan San Martin, along trail from San Andres Tuxtla, Est. Veracruz, Mexico, 890-1200 m

5 February	M 3181	*Eleutherodactylus*	form
	M 3182	"	"
	M 3183	"	"
	M 3184	"	"
	M 3185	"	to UCSC
	M 3186	"	"
	M 3187	"	"
	M 3188	"	"
	M 3189	"	"
	M 3190	"	"
	M 3191	"	"
	M 3192	"	"
	M 3193	"	"
	M 3194	"	"
	M 3195	"	to P. Licht
	M 3196	"	"
	M 3197	"	"
	~~M33~~ M3198	*Eleutherodactylus* (?)	- dorsal stripe
	M3199	"	"
	~~M3232~~ M3200	*Anolis*	
	M 3201	*Ameiva*	
	M3202	*Geophis* ?	
	M3203	*Amastridium*	- snake w/orange head

Hanken, James

1976

Catalogue

Mexico - Winter '76

5.0 km NE of Tlacotalpan ~~on~~ along Mex Hwy 145 SW of Alvarado, ~~V~~ Est. Veracruz, Mexico, sea level

6 February M3204 Natrix (?) -DOR

0.5 Km S Vista Hermosa ~~on~~ along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 1530 m.

7 February M3205 ~~Pseudoeurycea~~ Chiropterotriton
M3206 Chiropterotriton ?
M3207 " } in same bromeliad
M3208 Thorius ? F44 } in same bromeliad
M3209 Hyla ?
M3210 "
M3211 Eleutherodactylus ?

22.4 Km. S of Vista Hermosa along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 2300 m.

7 February M3212 Hyla ?
M3213 "

Vista Hermosa, along Mex Hwy 175, Est. Oaxaca, Mexico, 1560 m.

8 February M3214 ~~Pseudoeurycea~~ ? Chiropterotriton
M3215 "
M3216 "
M3217 Hyla
M3218 Syrrophus

Hanken, James 1976

Catalogue

Mexico - Winter '76

2.9 Km S of Vista Hermosa along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 1760-1780m.

8 February M 3219 Chiropterotriton
M 3220 "
M 3221 "
M 3222 "
M 3223 "
M 3224 "
M 3225 "
M 3226 "
M 3227 "
M 3228 "
M 3229 "
M 3230 "
M 3231 "
M 3232 "
M 3233 — to USC — frog - Leptodactylid?

forest below bus stop ~~49.4~~ 65.4 km N of Guelatao along Mex. Hwy 175, Est. Oaxaca, Mexico, elev. 2170 m

8 February M 3234 Thorius F42 - in bromeliad
M 3235 Thorius F43 - under log
M 3236 " "
M 3237 Chiropterotriton
M 3238 "
M 3239 "
M 3240 "

Hanken, James 1976

Catalogue

Mexico - Winter '76

forest below bus stop 65 km N of Guelatao along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 2170 m

8 February M3241 Chiropterotriton
M 3242 "
M 3243 "
M 3244 "
M 3245 "
M 3246 — frog (Leptodactylidae)

Clearing by house-chapel 59.5 km N of Guelatao along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 2300 m

8 February M3247 Exiloboa — under rock at day
M 3248 — on road at night

53.8 km N Guelatao along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 2510 m.

8 February M3249 Thorius F31 — under log by road
M3250 frog (Lepto?) with barring on back
M3251 "
M 3252 Frog (Lepto?) w/ reddish color and triangle on head
M 3253 "
M 3254 "
M 3255 "
M 3256 "
M 3257 Barisia

Hanken, James 1976

Catalogue

Mexico - Winter '76

52 km. N of Guelatao along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 2600 m.

8 February M 3258 Pseudoeurycea "lumpy"

M 3259 "

M 3260 "

M 3261 "

M 3262 " - all on road

M 3263 " bank at night

M 3264a "

M 3264b "

M 3265 P. juarezi ~~form~~

M 3266 " ~~Pseudoeurycea juarezi?~~ form

M 3267 Plectrohyla (?)

~~12.8 km.~~ 18 km N Guelatao along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 2790 m.

9 February M 3268 Thorius

M 3269 "

M 3270 " F37

M 3271 "

M 3272 "

M 3273 "

M 3274 "

M 3275 " F38

M 3276 "

M 3277 "

M 3278 " F39 (part

M 3279 "

Hanken, James 1976

Catalogue

Mexico - Winter '76

18 km N Guelatao along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 2790 m.

Date	No.	Taxon	Notes
9 February	M 3280	Thorius	F39 (part)
	M 3281	"	F39 (part)
	M 3282	"	F39 (part)
	M 3283	"	F40
	M 3284	"	F40
	M 3285	"	F40
	M 3286	"	F40
	M 3287	"	F40
	M 3288	"	F41
	M 3289	"	F41
	M 3290	"	F41
	M 3291	"	F41
	M 3292	"	F41
	M 3293	"	form
	M 3294	"	"
	M 3295	"	" Mex voucher
	M 3296	"	" Mex voucher
	M 3297	"	"
	M 3298	"	"
	M 3299	"	"
	M 3300	Sceloporus	"
	M 3301	"	"

Hanken, James
1976

Catalogue

Mexico - Winter '76

Llano de las Flores, ~~25~~ 26 km N of Guelatao along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 2950 m.

9 February	M 3302	Thorius		
	M 3303	"		
	M 3304	"	F55	
	M 3305	"		
	M 3306	"		10 ♂'s of small morph w/ hedonic glands
	M 3307	"		
	M 3308	"		
	M 3309	"	F56	
	M 3310	"		
	M 3311	"		
	M 3312	"	F57	large morph
	M 3313	"		
	M 3314	"		
	M 3315	"	F58	small morph w/out mental glands
	M 3316	"		
	M 3317	"		
	M 3318	"		
	M 3319	"		
	M 3320	"	F59	
	M 3321	"		
	M 3322	"		
	M 3323	"		
	M 3324	"	F60 (part)	
	M 3325	"		
	M 3326	"		

Hanken,
James
1976

Catalogue

Mexico - Winter '76

Llano de las Flores, 26 km N of Guelatao along Mex Hwy 175, Est. Oaxaca, México, elev. 2950 m

9 February	M 3327	Thorius	– F60 (part)
	M 3328	"	F61
	M 3329	"	F61
	M 3330	"	F61
	M 3331	"	F61
	M 3332	"	F61
	M 3333	"	F62
	M 3334	"	F62
	M 3335	"	F62
	M 3336	"	F62
	M 3337	"	F62
	M 3338	"	F63
	M 3339	"	F63
	M 3340	"	F63
	M 3341	"	F63
	M 3342	"	F63
	M 3343	"	F64
	M 3344	"	F64
	M 3345	"	F64
	M 3346	"	F64
	M 3347	"	F64
	M 3348	"	F65 (part)
	M 3349	"	F65 (part)
	M 3350	"	F65 (part)
	M 3351	"	F65 (part)

Hanken, James
1976

Catalogue

Mexico - Winter '76

Llano de las Flores, 26 km N of Guelatao along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 2950 m.

9 February	M3352	Thorius	- F65 (part)
	M3353	"	form
	M3354	"	"
	M3355	"	"
	M3356	"	"
	M3357	"	"
	M3358	"	"
	M3359	"	"
	M3360	"	"
	M3361	"	"
	M3362	"	"
	M3363	"	
	M3364	"	
	M3365	"	
	M3366	"	
	M3367	"	
	M3368	"	
	M3369	"	
	M3370	"	
	M3371	"	
	M3372	"	
	M3373	"	
	M3374	"	
	M3375	"	
	M3376	"	

Hawken, James 1976

Catalogue

Mexico - Winter '76

Llano de las Flores, 26 km N of Guelatao along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 2950 m.

9 February M3377 Thorius
M3378 "
M3379 "
M3380 "
M3381 "
M3382 "
M3383 "
M3384 "
M3385 "
M3386 "
M3387 "
M3388 "
M3389 "
M3390 "
M3391 "
M3392 "
M3393 "
M3394 "
M3395 "
M3396 "
M3397 "
M3398 "
M3399 "
M3400 "
M3401 "

Hanken, James 1976

Catalogue

Mexico - Winter '76

Llano de las Flores, 26 km N of Guelatao along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 2950 m.

9 February M 3402 Thorius
M 3403 "
M 3404 "
M 3405 "
M 3406 "
M 3407 "
M 3408 "
M 3409 "
M 3410 "
M 3411 "
M 3412 "
M 3413 "
M 3414 "
M 3415 " Form
M 3416 Pseudoeurycea

33 km N of Guelatao along Mex. Hwy 175, Est. Oaxaca, Mexico, elev. 2980 m.

10 February M 3417 Thorius
M 3418 "
M 3419 "
M 3420 "
M 3421 "
M 3422 "
M 3423 "

Hanken, James
1976

Catalogue

Mexico - Winter '76

33 km N of Guelatao along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 2980 m.

10 February M3424 Thorius
M3425 "
M3426 "
M3427 "
M3428 "
M3429 "
M3430 "
M3431 "
M3432 "
M3433 "
M3434 "
M3435 "
M3436 Rhadinea (?)
M3437 Thamnophis

37 km N of Guelatao along Mex Hwy ~~175~~ 175, ~~37~~ Est. Oaxaca, Mexico, elev. 2905 m

10 February M3438 Thorius F33
M3439 " Form
M3440 " "
M3441 Barisia

Hanken, James 1976

Catalogue

Mexico - Winter '76

0.6 km E of Machin on logging road off of Mex Hwy 175, Est. Oaxaca, Mexico, elev. 2850 m.

10 February	M3442	Thorius	F46
	M3443	"	F46
	M3444	"	F46
	M3445	"	F46
	M3446	"	F46
	M3447	"	F47
	M3448	"	F47
	M3449	"	F47
	M3450	"	F47
	M3451	"	F47
	M3452	"	F45
	M3453	"	F45
	M3454	"	form
	M3455	"	"
	M3456	"	"
	M3457	"	"
	M3458	"	F30
	M3459	"	in fallen bromeliads F48
	M3460	"	in fallen bromeliads F48

1.0 km E of ~~top~~ Cerro Pelon from where ~~road~~ Mex. Hwy 175 crosses top, Est. Oaxaca, Mexico, elev. 2930 m.

10 February	M3461	Thorius	F34
	M3462	"	F36
	M3463	"	

Hanken, James 1976

Catalogue

Mexico - Winter '76

1.0 km E of Cerro Pelon from where Mex Hwy 175 crosses top, Est. Oaxaca, Mexico, elev. 2930 m.

10 February	M3464	Thorius	F35
	M3465	"	F35
	M3466	"	F35
	M3467	"	F35
	M3468	"	-[illegible]
	M3469	Sceloporus	form

52 km N of Guelatao along Mex Hwy 175, Est. Oaxaca, Mexico, elev. 2630 m.

10 February	M3470	Thorius	-under log F32

Cerro San Felipe, 4 km. W of La Cumbre ~~on~~ along dirt road from Mex Hwy 175, Est. Oaxaca, Mexico, 3050 m.

12 February	M3471	Thorius -enormous, gravid, ♀	F82
	M3472	"	F83
	M3473	"	F83
	M3474	"	F83
	M3475	"	F83
	M3476	"	F83
	M3477	"	F84
	M3478	"	F84
	M3479	"	F84
	M3480	"	F84
	M3481	Pseudoeurycea smithi	F66 - frozen immediately
	M3482	" "	

Hanken,
James
1976

Catalogue

Mexico - Winter '76

Cerro San Felipe, 4 km W of La Cumbre along dirt road from Mex Hwy 175, Est. Oaxaca, Mexico, 3050 m.

12 February	M3483	*Pseudoeurycea*	*smithi*
	M3484	"	"
	M3485	"	"
	M3486	"	"
	M3487	"	"
	M3488	"	"

Cerro San Felipe, 9 km W of La Cumbre along dirt road from Mex Hwy 175, Est. Oaxaca, Mexico, 3080 m

12 February	M3489	*Thorius*		F80 (M3489–M3491)
	M3490	"		
	M3491	"		
	M3492	"		F81 (M3492–M3495)
	M3493	"		
	M3494	"		
	M3495	"		
	M3496	*Pseudoeurycea*	*smithi*	
	M3497	"	"	
	M3498	"	"	
	M3499	"	"	

Hanken, James 1976

Catalogue

Mexico - Winter '76

Cerro San Felipe, 12.4 km W of La Cumbre along dirt road from Mex Hwy 175, Est. Oaxaca, Mexico, 3190 m.

Date	No.	Species	Remarks
12 February	M 3500	Thorius	F75
	M 3501	"	F75
	M 3502	"	F75
	M 3503	"	F75
	M 3504	"	F76
	M 3505	"	F76
	M 3506	"	F76
	M 3507	"	F76
	M 3508	"	F77
	M 3509	"	F77
	M 3510	"	F77
	M 3511	"	F77
	M 3512	"	F78
	M 3513	"	F78
	M 3514	"	F78
	M 3515	"	F78
	M 3516	"	F79
	M 3517	"	F79
	M 3518	"	F79
	M 3519	"	F79
	M 3520	"	alive
	M 3521	"	"
	M 3522	"	"
	M 3523	"	"
	M 3524	"	"

Hanken,
James
1976

Catalogue

Mexico - Winter '76

Cerro San Felipe, 12.4 km W of La Cumbre along dirt road from Mex Hwy 175, Est. Oaxaca, Mexico, 3190 m.

12 February	M3525	Thorius		alive
	M3526	Pseudoeurycea	smithi	
	M3527	"	"	
	M3528	"	"	
	M3529	"	"	
	M3530	"	"	
	M3531	"	"	
	M3532	"	"	
	M3533	"	"	
	M3534	"	"	
	M3535	"	"	
	M3536	"	"	
	M3537	"	"	
	M3538	"	"	
	M3539	"	"	
	M3540	"	"	
	M3541	"	"	F67
	M3542	"	"	F67
	M3543	"	"	F67
	M3544	"	"	F67
	M3545	"	"	F68
	M3546	"	"	F68
	M3547	"	"	F68
	M3548	"	"	F69 (part)
	M3549	"	"	F69 (part)

Hanken, James
1976

Catalogue

Mexico - Winter '76

Cerro San Felipe, 12.4 km W of La Cumbre along dirt road from Mex. Hwy 175, Est. Oaxaca, Mexico, 3190 m.

12 February	M3550	Pseudoeurycea smithi	F69 (part)
	M3551	Barisia	
	M3552	"	

Cerro San Felipe, 15 km. W of La Cumbre along dirt road from Mex. Hwy 175, Est. Oaxaca, Mexico, 3185 m.

12 February	M3553	Thorius	F70
	M3554	"	F70
	M3555	"	F70
	M3556	"	F70
	M3557	"	F71
	M3558	"	F71
	M3559	"	F71
	M3560	"	F71
	M3561	"	F72
	M3562	"	F72
	M3563	"	F72
	M3564	"	F72
	M3565	"	F73
	M3566	"	F73
	M3567	"	F73
	M3568	"	F73
	M3569	"	F74 (part)
	M3570	"	F74 (part)
	M3571	"	F74 (part)

Hanken, James 1976

Catalogue

Mexico - Winter '76

Cerro San Felipe, 15 km. W of La Cumbre along dirt road from Mex Hwy 175, Est. Oaxaca, Mexico, 3185 m.

12 February	M3572	Thorius - tail broken off	F74 (part)
	M3573	"	form
	M3574	"	"
	M3575	"	"
	M3576	Pseudoeurycea smithi	
	M3577	" "	
	M3578	" "	
	M3579	" "	
	M3580	" "	
	M3581	" "	
	M3582	" "	
	M3583	" "	
	M3584	" "	
	M3585	" "	
	M3586	" "	
	M3587	" "	
	M3588	" "	
	M3589	" "	
	M3590	" "	
	M3591	" "	
	M3592	" "	
	M3593	" "	
	M3594	" "	
	M3595	" "	
	M3596	" "	

Hanken, James
1976

Catalogue

Mexico - Winter '76

Cerro San Felipe, 15 km W of La Cumbre along dirt road from Mex Hwy 175, Est. Oaxaca, Mexico, 3185 m.

12 February	M3597	Pseudoeurycea	smithi
	M3598	"	"
	M3599	"	"
	M3600	"	"
	M3601	"	"
	M3602	"	"
	M3603	"	"
	M3604	"	"
	M3605	"	"
	M3606	"	"
	M3607	"	"
	M3608	"	"
	M3609	"	"
	M3610	"	"
	M3611	"	"
	M3612	"	"
	M3613	"	"
	M3614	"	"
	M3615	"	"
	M3616	"	"
	M3617	"	"
	M3618	"	"
	M3619	"	"
	M3620	"	"
	M3621	"	"

Hanken, James 1976

Catalogue

Mexico - Winter '76

Cerro San Felipe, 15 km W of La Cumbre along dirt road from Mex Hwy 175, Est. Oaxaca, Mexico, 3185 m.

12 February	M3622	Pseudoeurycea	smithi
	M3623	"	"
	M3624	"	"
	M3625	"	"
	M3626	"	"
	M3627	"	"
	M3628	"	"
	M3629	"	"
	M3630	"	"
	M3631	"	"
	M3632	"	"
	M3633	"	"
	M3634	"	"
	M3635	"	"
	M3636	"	"
	M3637	"	"
	M3638	"	"
	M3639	"	"
	M3640	"	"
	M3641	"	"
	M3642	"	"
	M3643	"	"
	M3644	"	"
	M3645	"	"
	M3646	"	"

Hanken, James 1976

Catalogue

Mexico: Winter '76

Cerro San Felipe, 15 km (?) of La Cumbre along dirt road from Mex Hwy 175, Est. Oaxaca, Mexico, 3185 m.

12 February	M3647	Pseudoeurycea	smithi
	M3648	"	"
	M3649	"	"
	M3650	"	"
	M3651	"	"
	M3652	"	"
	M3653	"	"
	M3654	"	"
	M3655	"	"
	M3656	"	"
	M3657	"	"
	M3658	"	"
	M3659	"	"
	M3660	"	"
	M3661	"	"
	M3662	"	"
	M3663	"	"
	M3664	"	"
	M3665	"	"
	M3666	"	"
	M3667	"	"
	M3668	"	"
	M3669	"	"
	M3670	"	"
	M3671	"	"

Hanken, James
1976

Catalogue

Mexico – Winter '76

Cerro San Felipe, 15 km W of La Cumbre along dirt road from Mex Hwy 175, Est. Oaxaca, Mexico, 3185 m.

12 February	M3672	Pseudoeurycea	smithi	
	M3673	"	"	
	M3674	"	"	
	M3675	"	"	
	M3676	"	"	
	M3677	"	"	
	M3678	"	"	
	M3679	"	"	
	M3680	"	"	
	M3681	"	"	
	M3682	"	"	~~alive~~
	M3683	"	"	alive
	M3684	"	"	"
	M3685	"	"	"
	M3686	"	"	"
	M3687	"	"	"
	M3688	"	"	"
	M3689	" ~~Sceloporus~~	"	"
	M3690	Barisia		
	~~M3691~~	~~Thamnophis~~		
	M3691	Sceloporus		
	M3692	Thamnophis		

Hanken,
James
1976

Catalogue

Mexico - Winter '76

19 km. S of Sola de Vega along Mex. Hwy 131, Est. Oaxaca, Mexico, 2255 m.

13 February	M3693 Eumeces	see Brad Shaffer field notes for color	F86

river at Sola de Vega along Mex Hwy 131, Est. Oaxaca, Mexico, 1530 m.

13 February	M3694	23 tadpoles (Rana?) - Formalin	
	M3695	25 " " -	F85

4 km NE Cuajimoloyas (by road), Est. Oaxaca, Mexico, 3120 m.

14 February	M3696	Thorius	F86 - red stripe (M3696–M3700)
	M3697	"	
	M3698	"	
	M3699	"	
	M3700	"	
	M3701	"	F87 red stripe (M3700–M3705)
	M3702	"	
	M3703	"	
	M3704	"	
	M3705	"	
	M3706	"	F88 red stripe (M3705–M3710)
	M3707	"	
	M3708	"	
	M3709	"	
	M3710	"	
	M3711	"	F89 (part). red stripe

Hanken, James 1976

Catalogue

Mexico - Winter '76

4 km NE Cuajimoloyas (dry road), Est. Oaxaca, Mexico, 3170 m.

14 February	M3712	Thorius	F89 (part) - red stripe
	M3713	"	
	M3714	"	
	M3715	"	
	M3716	"	F90 - red stripe
	M3717	"	
	M3718	"	
	M3719	"	
	M3720	"	
	M3721	"	F91 - melanistic
	M3722	"	
	M3723	"	
	M3724	"	
	M3725	"	
	M3726	"	pres 29 Feb 1976
	M3727	"	"
	M3728	"	"
	M3729	"	"
	M3730	"	"
	M3731	"	"
	M3732	"	"
	M3733	"	"
	M3734	"	"
	M3735	"	"
	M3736	"	pres 30 June 1976

Hanken, James 1976

Catalogue

Mexico - Winter '76

4 km NE Cuajimoloyas (by road), Est. Oaxaca, Mexico, 3170 m.

14 February	M3737	Thorius	pres 30 June 1976
	M3738	"	
	M3739	"	
	M3740	"	
	M3741	"	
	M3742	"	
	M3743	"	
	M3744	"	
	M3745	"	
	M3746	"	form
	M3747	"	form
	M3748	"	form - contorted when placed in ampul
	M3749	"	
	M3750	"	
	M3751	"	

~~6 km~~ 7 km NE Cuajimoloyas (by road), Est. Oaxaca, Mexico, 3140 m.

14 February	M3752	Thorius	F92 - red stripe
	M3753	"	
	M3754	"	
	M3755	"	
	M3756	"	
	M3757	"	F93(part) - red stripe
	M3758	"	

Hanken, James
1976

Catalogue

Mexico - Winter '76

7 km NE Cuajimoloyas (by road), Est. Oaxaca, Mexico, 3140 m.

Date	No.	Taxon	Series	Notes
14 February	M 3759	Thorius	F93 (part) - red stripe	
	M 3760	"	F93 (part) - red stripe	
	M 3761	"	F93 (part) - red stripe	
	M 3762	"	F94 - red stripe	
	M 3763	"	F94 - red stripe	
	M 3764	"	F94 - red stripe	
	M 3765	"	F94 - red stripe	
	M 3766	"	F94 - red stripe	
	M 3767	"	F95 - red stripe	
	M 3768	"	F95 - red stripe	
	M 3769	"	F95 - red stripe	
	M 3770	"	F95 - red stripe	
	M 3771	"	F95 - red stripe	
	M 3772	"	F96 - melanistic	
	M 3773	"	F96 - melanistic	
	M 3774	"	F96 - melanistic	
	M 3775	"	F96 - melanistic	
	M 3776	"	F96 - melanistic	
	M 3777	"	F97 melanistic	
	M 3778	"	F97 melanistic	
	M 3779	"	F97 melanistic	
	M 3780	"	F97 melanistic	
	M 3781	"	F97 melanistic	
	M 3782	"	- Mex voucher	pres. 29 Feb 1976
	M 3783	"		"

Hanken,
James
1976

Catalogue

Mexico - Winter '76

7 km NE Cuajimoloyas (by road), Est. Oaxaca, Mexico, 3140 m

14 February	M3784	Thorius		pres. 29 Feb 1976
	M3785	"		"
	M3786	"		"
	M3787	"	Mex voucher	"
	M3788	"		"
	M3789	"		"
	M3790	"		"
	M3791	"		"
	M3792	"		
	M3793	"		
	M3794	"		
	M3795	"		
	M3796	"		
	M3797	"		
	M3798	"		form

8 km NE (by road) of Santos Reyes Papalo, Est. Oaxaca, Mexico, 2670 m.

15 February	M3799	Thorius	F116 (assorted)
	M3800	"	
	M3801	"	
	M3802	"	
	M3803	"	
	M3804	"	F117 (part) - assorted
	M3805	"	
	M3806	"	

Hanken, James

1976

Catalogue

Mexico - Winter '76

8 km. NE (by road) of Santos Reyes Papalo, Est. Oaxaca, Mexico, 2670 m. elev.

15 February

Number	Taxon	Notes
M3807	Thorius	F117 (part) - assorted
M3808	"	F117 (part) - assorted
M3809	"	F118 ~~assorted~~ -all small(?)
M3810	"	F118
M3811	"	F118
M3812	"	F118
M3813	"	F118
M3814	"	F119 -assorted
M3815	"	F119
M3816	"	F119
M3817	"	F119
M3818	"	F119
M3819	"	F120 - ♂, large(?)
M3820	"	F121 - 2 small(?) gravid ♀'s
M3821	"	F121
M3822	"	F122 - large(?) gravid ♀
M3823	"	pres 29 Feb 1976
M3824	"	"
M3825	"	"
M3826	"	"
M3827	"	"
M3828	"	"
M3829	"	"
M3830	"	"
M3831	"	discarded ~~pres 30 June 1976~~

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Catalogue

Mexico - Winter '76

8 km NE (by road) of Santos Reyes Papalo, Est. Oaxaca, Mexico, 2670 m. elev.

15 February	M 3832	Thorius	pres 30 June 1976
	M 3833	"	
	M 3834	"	
	M 3835	"	
	M 3836	"	
	M 3837	"	
	M 3838	"	
	M 3839	"	form

15 km NE (by rd.) of Santos Reyes Papalo, Est. Oaxaca, Mexico, ~~2670 m. elev.~~ elev. 2850 m.

15 February	M 3840	Thorius	F103
	M 3841	"	F103
	M 3842	"	F103
	M 3843	"	F103
	M 3844	"	F103

11 km NE (by road) of Santos Reyes Papalo, Est. Oaxaca, Mexico, elev. 2820 m.

15 February	M 3845	Thorius	F111
	M 3846	"	F111
	M 3847	"	F111
	M 3848	"	F111
	M 3849	"	F111
	M 3850	"	F112 (part)

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Catalogue

Mexico - Winter '76

11 km NE (by road) of Santos Reyes Papalo, Est. Oaxaca, Mexico, elev. 2820 m.

15 February	M3851	Thorius	F112 (part)
	M3852	"	
	M3853	"	
	M3854	"	
	M3855	"	F113
	M3856	"	
	M3857	"	
	M3858	"	
	M3859	"	
	M3860	"	F114
	M3861	"	
	M3862	"	
	M3863	"	
	M3864	"	
	M3865	"	F115
	M3866	"	
	M3867	"	
	M3868	"	
	M3869	"	
	M3870	"	pres 30 June 1976
	M3871	"	
	M3872	"	
	M3873	"	
	M3874	"	
	M3875	"	

Hanken, James 1976

Catalogue

Mexico - Winter '76

11 km NE (by road) of Santos Reyes Papalo, Est. Oaxaca, Mexico, elev. 2820 m.

15 February M3876 Thorius } pres 30 June 1976
M3877 "
M3878 "
M3879 "
M3880 "
M3881 "
M3882 "
M3883 "
M3884 "
M3885 "
M3886 "
M3887 "
M3888 "
M3889 "
M3890 "
M3891 "
M3892 "
M3893 "
M3894 "
M3895 "
M3896 "
M3897 "
M3898 "
M3899 "
M3900 "

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Catalogue

Mexico - Winter '76

11 km NE (by road) of Santos Reyes Papalo, Est. Oaxaca, Mexico, elev. 2820 m.

15 February	M 3901	Thorius	form
	M 3902	"	"
	M 3903	"	alc. ~~form~~
	M 3904	"	form
	M3905	Pseudoeurycea	"lumpy"

creek-pool by house at Zoquitlan, Est. Puebla, Mexico, elev. 2250 m.

16 February	M3906	23 tads frozen as #'s: F98-5; F99-5; F100-6; F101-4; F102-3
	M3907	tads in formalin

9 km W (by road) of Zoquitlan, Est. Puebla, Mexico elev. 2740 m.

16 February	M3908	Thorius	F123 (M3908–M3912)
	M3909	"	
	M3910	"	
	M3911	"	
	M3912	"	
	M3913	"	F124 (M3913–M3917)
	M3914	"	
	M3915	"	
	M3916	"	
	M3917	"	
	M3918	"	F125 (part)

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Catalogue

Mexico - Winter '76

9 km (dry road) W of Zoquitlan, Est. Puebla, Mexico, elev. 2740 m.

16 February M3919 *Thorius* } F/25 (part)
M3920 "
M3921 "
M3922 "
M3923 " } F/26
M3924 "
M3925 "
M3926 "
M3927 "
M3928 " } F/27
M3929 "
M3930 "
M3931 "
M3932 "
M3933 "
M3934 "
M3935 "
M3936 "
M3937 "
M3938 "
M3939 "
M3940 "
M3941 "
M3942 "
M3943 "

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Catalogue

Mexico - Winter '76

9 km (by road) W of Zoquitlan, Est. Puebla, Mexico, elev. 2740 m.

16 February	M 3944	Thorius	
	M 3945	"	
	M 3946	"	pres. 29 Feb 1976
	M 3947	"	"
	M 3948	"	"
	M 3949	"	"
	M 3950	"	"
	M 3951	"	"
	M 3952	"	"
	M 3953	"	"
	M 3954	"	"
	M 3955	"	"
	M 3956	"	form

10 km W (by road) of Zoquitlan, Est. Puebla, Mexico, elev. ~~2740 m.~~ 2760 m.

16 February	M 3957	Thorius	F104
	M 3958	"	F104
	M 3959	"	F104
	M 3960	"	F104
	M 3961	"	F105
	M 3962	"	F105

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Catalogue

Mexico - Winter '76

Avenida 1 Poniente, 1.1 km W of Fortin Town Square, Est. Veracruz, Mexico

17 February M3963 - snake (banded form)

M3964 - snake (yellow collar)

~~cafetale 5.0 km N (by road) of Huatusco, Est. Veracruz, Mexico, elev. 1470 m~~

cafetale 5.0 km (by road) N of Huatusco, Est. Veracruz, Mexico, elev. 1470 m.

17 February M3965 Bolitoglossa platydactyla

pine forest along Mex. Hwy 140 at La Joya, Est. Veracruz, Mexico, elev. 2290 m.

17 February M3966 Pseudoeurycea belli

M3967 - snake

pine forest along Mex Hwy 140 at Las Vigas, Est. Veracruz, Mexico, elev. 2525 m.

17 February M3968 Thorius

M3969 "

M3970 " F106

M3971 "

M3972 "

M3973 "

M3974 " F107 (part)

M3975 "

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Catalogue

Mexico - Winter '76

pine forest along Mex. Hwy 140 at Las Vigas, Est. Veracruz, Mexico, elev. 2525 m.

Date	No.	Taxon	Note
17 February	M3976	Thorius	F107 (part)
	M3977	"	F107 (part)
	M3978	"	F108
	M3979	"	F108
	M3980	"	F108
	M3981	"	F108
	M3982	"	F108
	M3983	"	F109
	M3984	"	F109
	M3985	"	F109
	M3986	"	F109
	M3987	"	F109
	M3988	"	F110
	M3989	"	F110
	M3990	"	F110
	M3991	"	F110
	M3992	"	F110
	M3993	"	pres. 29 Feb 1976
	M3994	"	"
	M3995	"	"
	M3996	"	"
	M3997	"	"
	M3998	"	"
	M3999	"	"
	M4000	"	"

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Mexico - Winter '76

pine forest along Mex Hwy 140 at Las Vigas, Est. Veracruz, Mexico, elev. 2525 m.

17 February	M4001	*Thorius*	pres. 29 Feb 1976
	M4002	"	"
	M4003	"	pres 30 June 1976
	M4004	"	pres 30 June 1976
	M4005	"	pres 30 June 1976
	M4006	"	pres 30 June 1976
	M4007	"	
	M4008	"	
	M4009	"	
	M4010	"	
	M4011	"	
	M4012	"	
	M4013	"	
	M4014	"	
	M4015	~~Bolitoglossa~~ *Pseudoeurycea cephalica*	

pine forest along Mex. Hwy 140 4 km W of Las Vigas, Est. Veracruz, Mexico, elev. 2550 m

18 February	M4016	~~Bolitoglossa~~ *Pseudoeurycea cephalica*
	M4017	"
	M4018	"
	M4019	"
	M4020	"
	M4021	"
	M4022	"

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~~Journal~~

Mexico - Winter '76

pine forest along Mex. Hwy 140 4 km. W of Las Vigas, Est. Veracruz, Mexico, elev. 2850 m.

18 February M 4023 ~~Bolitoglossa~~ Pseudoeurycea cephalica
M 4024 "
M 4025 "
M 4026 "
M 4027 "
M 4028 "
M 4029 ~~chirop?~~ Chiropterotriton
M 4030 "
M 4031 "
M 4032 "
M 4033 "
M 4034 "
M 4035 "
M 4036 Sceloporus
M 4037 -snake

Mexico

6 July - 3 August 1976

M 4178 - M 6096

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1 mi. W of Hwy 57 at El Suze on road to Barroteran, Est. Coahuila, Mexico, elev. 1300'

6 July M4178 Gastrophryne ♂ F 219
M4179 "
M4180 "
~~M4180~~

Cerro Potosí, 10.5 mi. (by rd) NW of Galeana along road to Micro Ondas, Est. Nueva Leon, Mexico, elev. 6740 ft.

7 July M4181 Sceloporus
M4182 "
M4183 "

Cerro Potosí, 18 mi (by road) NW of Galeana along road to Micro Ondas, Est. Nuevo Leon, Mexico, elev. 9100 ft.

7 July	M 4184	Chiropterotriton	priscus	F204
	M 4185	"	"	
	M 4186	"	"	F205
	M 4187	"	"	
	M 4188	"	"	F206
	M 4189	"	"	F207
	M 4190	"	"	F208
	M 4191	"	"	F209
	M 4192	"	"	F210
	M 4193	"	"	F211
	M 4194	"	"	

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Catalogue

Cerro Potosí, 18 mi. (by road) NW of Galeana along road to Micro Ondas, Est. Nuevo Leon, Mexico, elev. 9100 ft.

7 July	M 4195	Chiropterotriton	priscus	F212
	M 4196	"	"	
	M 4197	Sceloporus		

Cerro Potosí, 22 mi. NW (by road) of Galeana at Micro Ondas station, Est. Nuevo Leon, Mexico elev. 10,500 feet

7 July	M 4198	Chiropterotriton	priscus	F128
	M 4199	"	"	F129
	M 4200	"	"	F130
	M 4201	"	"	F131
	M 4202	"	"	F132
	M 4203	"	"	F133
	M 4204	"	"	F134
	M 4205	"	"	F135
	M 4206	"	"	F136
	M 4207	"	"	F137
	M 4208	"	"	
	M 4209	"	"	
	M 4210	"	"	
	M 4211	"	"	
	M 4213	"	"	
	M 4214	"	"	
	M 4215	"	"	

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Cerro Potosí, 22 mi. NW (dry road) of Galeana at MicroOndas station, Est. Nuevo Leon, Mexico, elev. 10,500 ft.

7 July	M 4216	Chiropterotriton priscus	
	M 4217	"	"
	M 4218	"	"
	M 4219	"	"
	M 4220	"	"
	M 4221	"	"
	M 4222	"	"
	M 4223	"	"
	M 4224	"	"
	M 4225	"	"
	M 4226	"	"
	M 4227	Sceloporus	
	M 4228	"	

Mex. Hwy 60, 1/4 mi. W turnoff to Galeana, Est. Nuevo Leon, Mexico

7 July	M4229	Bufo

Mex Hwy 80, ~~3.6~~ 3.3 mi. E of Ciudad del Maiz, Est. San Luis Potosi, Mexico, elev. ~~[illegible]~~ 4500 ft.

8 July	M4230	Pseudoeurycea	galeanae (?)	
	M4231	"	"	F 203

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Catalogue

Mex Hwy 80, 3.6 mi E of Ciudad del Maiz, Est. San Luis Potosí, Mexico, elev. 4400 ft.

8 July	M 4232	Sceloporus		
	M 4233	"		
	M 4234	"		
	M 4235	"		
	M 4236	Scincella (?)		
	M 4237	"		
	M 4238	"		

Mex. Hwy 85 at Zacate Grande, ~45 Km (by road) SW of Tamazunchale, Est. Hidalgo, Mexico, elev. 4730'

10 July	M 4399	Bufo		
	M 4400	"		
	M 4401	"		
	M 4402	Hyla?		
	M 4403	Smilisca?	♂	F 213
	M 4404	"	♂	F 214
	M 4405	"	♂	F 215
	M 4406	"	♂	F 216
	M 4407	"	♂	F 217

Mex Hwy 85, 6.5 mi. (by road) NW of Tamazunchale, Est. San Luis Potosí, Mexico, elev. 800 ft.

M 4408 Spilotes? DOR

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8 July — Mex. hwy 3, 4.4 km (byrd) N. Raices, Mexico, Mexico (elev. 3320 m)

No.	Species	Note	Field no.
M4238	*Pseudoeurycea robertsi*	kept alive, then frozen	F179
M4239	" "		F179
M4240	" "		F180
M4241	" "		F180
M4242	" "		F181
M4243	" "		F181
M4244	" "		F182
M4245	" "		F183
M4246	" "		F184
M4247	" "		F185
M4248	" "		
M4249	" "		
M4250	" "		
M4251	" "		
M4251a	" "		
M4252	*Pseudoeurycea belli*	frozen	F186
M4253	" "		F187
M4254	" "		F188
M4255	" "		F189
M4256	" "		F190
M4257	" "		F191
M4258	" "		F192
M4259	" "	kept alive	
M4260	" "		
M4261	" "	frozen	F220
M4262	" "		
M4263	" "		

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8 July | Mex. hwy 3, 4.4 km (by rd) N. Raices, Mexico, Mexico, (elev. 3320 m)

M4264 *Sceloporus* sp.
M4265 "
M4266 "
(S1)
(S2)
(S3) } to Smithsonian (2 spp.)
(S4)
~~S5~~

8 July | Rd. up Nevado de Toluca, 6.3 km (by rd) S. Raices, Mexico, Mexico (elev. 3800 m)

M4267 *Sceloporus* sp.
M4268 "
M4269 "

8 July | Rd. up Nevado de Toluca, 4.3 km (by rd) S. Raices, Mexico, Mexico (elev. 3720 m)

M4270 *Sceloporus* sp.
M4271 "
(S5) ~~[illegible]~~ " — to Smithsonian

9 July | Road into El Chico National Park, 10 km (by rd) N. Mex. hwy 105, Hidalgo, Mexico (elev. 2850 m)

M4272 *Chiropterotriton multidentatus*
M4273 " "
M4274 " "

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9 July | Road into El Chico National Park, 1.0 km (by rd) N. Jct. Mex. hwy 105; Hidalgo, Mexico (elev. 2850m)

M4275 Chiropterotriton multidentatus
M4276 " "
M4277 " "
M4278 " "
M4279 " "
M4280 " "
M4281 " "
M4282 " "
M4283 " "
M4284 " "
M4285 " "
(S6) " " } to Smithsonian
(S7) " "
(S8) " "
(S9) " "

9 July | approx. 1.5 km (by rd) N. Mineral del Chico, Hidalgo, Mexico (elev. 2325m)

M4286 Pseudoeurycea cephalica

9 July | Road from Mineral del Chico to Carboneras, 1.2 km (by rd) SE Mineral del Chico, Hidalgo, Mexico (elev. 2490m)

M4287 Pseudoeurycea cephalica
M4288 Eumeces lynxe

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9 July	Road from Mineral del Chico to Carboneras, [2.7 km (by rd) SE Mineral del Chico] Hidalgo, Mexico (elev. 2620m)
M4289	Chiropterotriton multidentatus
9 July	Road into El Chico National Park, 6.4 km (by rd) N. Jct. Mex. hwy 105, Hidalgo, Mexico
M4290	Pseudoeurycea cephalica
10 July	Guerrero, 8.0 km (by rd) SE Mineral del Monte, Hidalgo, Mexico (~~2600~~ 2550 m)
M4291	Toluca [possibly 2 spp. - one gray, one pinkish]
M4292	"
M4293	"
M4294	"
M4295	"
M4296	"
M4297	"
M4298	"
M4299	"
M4300	"
M4301	"
M4302	"
M4303	"
M4304	"
M4305	" } kept alive
M4306	" } kept alive
M4307	" } kept alive
M4308	Eumeces lynxe

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via Mex. hwy 105

10 July (cont'd) Guerrero, 6.0 km (~~hy rd~~) SE Mineral del Monte, Hidalgo, Mexico (elev ~~2800~~ 2550 m)

M4309 Eumeces lynxe
M4310 "
M4311 "
M4312 "
M4313 "
M4314 "
M4315 Hyla
M4316 "
M4317 "

10 July Mex hwy 105, 2.0 km (by rd) SE Mineral del Monte, Hidalgo, Mexico (elev. 2815 m)

M4318 Chiropterotriton multidentatus
M4319 Chiropterotriton dimidiatus - kept alive - frozen F277

11 July 20.0 km (by rd) W. Tres Cumbres along road to Chalma, Morelos, Mexico (elev. 3130 m)

M4320 Pseudoeurycea altamontana
M4321 " "
M4322 " "
M4323 " "
M4324 " "
M4325 " "
M4326 " " F 268
M4327 " " Kept alive F 269
M4328 " " then dissected tissues frozen bodies fixed F 270

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11 July	20.0 km (hyrd) W. Tres Cumbres along road to Chalma, Morelos, Mexico (elev. 3130 m)
M4329	Pseudoeurycea altamontana — Kept alive then dissected tissue frozen bodies fixed — F 271
M4330	" " — F 272
M4331	" " — F 273
M4332	" " — F 274
M4333	Pseudoeurycea leprosa
M4334	" "
M4335	" "
M4336	" "
M4337	" "
M4338	" "
M4339	" "
M4340	" "
M4341	" "
M4342	" "
M4343	" "
M4344	" "
M4345	" "
M4346	" "
M4347	" "
M4348	" "
M4349	" "
M4350	" "
M4351	" "
M4352	" "
M4353	" "
M4354	" "

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11 July — 20.0 km (by rd) W. Tres Cumbres along road to Chalma, Morelos, Mexico (elev. 3130 m)

M4355 Pseudoeurycea leprosa
M4356 " "
M4357 " "
M4358 " "
M4359 " "
M4360 " "
M4361 " "
M4362 " "
M4363 " "
M4364 " "
M4365 " "
M4366 " "
M4367 " "
M4368 " "
M4369 " "
M4370 " "

(M4360–M4370: alive - frozen F278-87)

M4371 Chiropterotriton chiropterus
M4372 " "
M4373 " "
M4374 " "
M4375 " "
M4376 " "
M4377 " "
M4378 " "
M4379 " "
M4380 " "

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11 July (cont'd)	20.0 km (by rd) W. Tres Cumbres, along road to Chalma, Morelos, Mexico (elev. 3130 m)
M4381	Chiropterotriton chiropterus
M4382	" "
M4383	" "
M4384	" "
M4385	" "
M4386	" "
M4387	" "
M4388	" "
M4389	" "
M4390	" "
M4391	Sceloporus sp.
M4392	"
M4393	"
M4394	" } for frozen tissue
M4395	" } for frozen tissue
M4396	" } for frozen tissue
M4397	" } for frozen tissue
M4398	Thamnophis sp. - regurgitated a partially digested Pseud. - kept alive

(M4399-4417 See Jim Hanken's catalog)

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Catalogue

~~Journal~~

Mex Hwy 120, 16 mi. (by road) E of Lando de Metamoros, Est. Queratara, elev. 5360 ft

11 July M 4409 - DOR

Mex Hwy 85, 9.6 mi. N (by rd.) of Tamazunchale, Est. San Luis Potosí, Mexico

11 July M 4410 Bufo

Mex Hwy 85, 9.0 mi. N (by rd.) of Tamazunchale, Est. San Luis Potosi, Mexico

11 July M 4411 ♀ Smilisca ? F 218

Mex Hwy 85, 8.1 mi. N (by rd.) of Tamazunchale, Est. San Luis Potosi, Mexico

11 July M 4412 Bufo

Mex Hwy 85, 7.3 mi. N (by rd.) of Tamazunchale, Est. San Luis Potosi, Mexico

11 July M 4413 Bufo

Mex Hwy 85, 4.5 mi. N (by rd.) of Tamazunchale, Est. San Luis Potosi, Mexico

11 July M 4414 Bufo

Mex Hwy 85, 0.6 mi. N (by road) of Tamazunchale, Est. San Luis Potosi, Mexico

11 July M 4415 Bufo

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Mex Hwy 190, 5.5 mi (by road) N of Tehuitzingo, Est. Oaxaca, Mexico, elev. 3290'

12 July M 4416 Bufo

Mex. Hwy 190, 1.1 mi S (by road) of ~~Tehuitzingo~~ Tehuitzingo, Est. Oaxaca, elev. 3485 ~~m~~ ft.

12 July M 4417 Bufo

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Catalogue

13 July | Sierra de Cuatro Venados, 24.1 km (by rd) W. Zaachila, Oaxaca, Mexico (elev. 2750 m)
M4418 | Pseudoeurycea cochranae
M4419 | Thorius — F221
M4420 | Barisia sp.
M4421 | "
M4422 | Sceloporus sp.

13 July | Sierra de Cuatro Venados, 25.4 km (by rd) W. Zaachila, Oaxaca, Mexico (elev. 2760 m)
M4423 | Pseudoeurycea cochranae
M4424 | " "
M4425 | Thorius sp.
M4426 | " } F222
M4427 | " } F222
M4428 | " } F223
M4429 | " } F223
M4430 | "
M4431 | 1 snake (Tropidodipsas?)
M4432 | Sceloporus sp.

13 July | Sierra de Cuatro Venados, 27.2 km (by rd) W. Zaachila, Oaxaca, Mexico (elev. 2750 m).
M4433 | Pseudoeurycea belli
M4434 | "
M4435 | " } Kept alive
M4436 | " } Kept alive
M4437 | " } Kept alive
M4438 | " } Kept alive

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13 July (cont'd)	Sierra de Cuatro Venados, 27.2 km (by rd) W. Zaachila, Oaxaca, Mexico (elev. 2750 m)
M4439	Pseudoeurycea belli } kept alive
M4440	" " } kept alive
M4441	Thamnophis sp.
M4442	Sceloporus
13 July sta. 2	Cerro San Felipe, 9 mi (by road) W La Cumbre, Est. Oaxaca, Mexico, elev. 9640 ft.
M 4443	Thorius narisovalis } F224
M 4444	" " } F224
M 4445	" " } F224
M 4446	" " } F225
M 4447	" " } F225
M 4448	" " } F225
M 4449	" " } F226
M 4450	" " } F226
M 4451	" " } F226
M 4452	" " } F227
M 4453	" " } F227
M 4454	" " } F227
M 4455	" " } F228
M 4456	" " } F228
M 4457	" " } F228
M 4458	" " } F229
M 4459	" " } F229
M 4460	" " } F229
M 4461	" " } F230 (part)

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13 July (cont'd) sta-2	Cerro San Felipe, 9 km ~~miles~~ W (by road) La Cumbre, Est. Oaxaca, Mexico, elev. 9640 ft	
M 4462	Thorius narisovalis	F230 (part)
M 4463	" "	F230 (part)
M 4464	" "	F231
M 4465	" "	F231
M 4466	" "	F231
M 4467	Pseudoeurycea unguidentis	
M 4468	Pseudoeurycea smithi	
M 4469	" "	
M 4470	" "	
M 4471	" "	
M 4472	" "	
M 4473	" "	
M 4474	" "	
M 4475	" "	
M 4476	" "	
M 4477	" "	
M ~~$~~4478	" "	
M 4479	" "	
M 4480	Sceloporus	
M 4481	"	
M 4482	"	
M 4483	~~Gerrhonotus~~ Barisia	
M 4484	~~"~~ "	

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13 July sta. 3	Cerro San Felipe, 6.7 mi (by road) W La Cumbre, Est. Oaxaca, Mexico, elev. 9795 ft.
M 4485	Thorius narisovalis
M 4486	" "
M 4487	" "
M 4488	" "
M 4489	" "
M 4490	" "
M 4491	" "
M 4492	" "
M 4493	" "
M 4493 bc	" "
M 4494	Sceloporus
M 4494 a	Pseudoeurycea smithi
M 4494 b	" "
13 July	Cerro San Felipe, logging camp 4 Km W (by road) La Cumbre, Est. Oaxaca, Mexico, elev. 9360 ft
M 4495	Thorius narisovalis
M 4496	Rhadinea
M 4497	"
M 4498	" — kept alive
M 4499	Thamnophis
M 4500	"
M 4501	Sceloporus
M 4502	"
M 4503	"
M 4504	Thorius narisovalis — Mex [illegible]
M 4505	Pseudoeurycea smithi
M 4506	" "

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13 July	Cerro San Felipe, logging camp 4 Km W (by road) La Cumbre, Est. Oaxaca, Mexico, elev 9360 ft	
M4507	Pseudoeurycea smithi	
M4508	" "	
M4509	" "	
M4510	" "	
M4511	" "	
M4512	" "	
M4513	" "	
~~M4514~~	~~" "~~	
14 July	Cerro San Felipe, 4 Km (by road) W La Cumbre at logging camp, Est. Oaxaca, Mexico, elev 9360 ft.	
M 4514	Thorius narisovalis	F248
M 4515	" "	F248
M 4516	" "	F248
M 4517	" "	F249
M 4518	" "	F249
M 4519	" "	F249
M 4520	" "	F250
M 4521	" "	F250
M 4522	" "	F250
M 4523	" "	F251
M 4524	" "	F251
M 4525	" "	F251
M 4526	" "	F 252 (part)
M 4527	" "	F 252 (part)

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coll. J. Hanken

14 July | Cerro San Felipe, 4 km W La Cumbre at logging camp, Est. Oaxaca, Mexico, elev. 9360 ft

M 4528	Thorius	narisovalis	F252 (part
M 4529	"	"	
M 4530	"	"	F253
M 4531	"	"	
M 4532	"	"	
M 4533	"	"	F254
M 4534	"	"	
M 4535	"	"	
M 4536	"	"	F255
M 4537	"	"	
M 4538	"	"	
M 4539	"	"	Mex. voucher
M 4540	"	"	
M 4541	"	"	
M 4542	"	"	
M 4543	"	"	
M 4544	"	"	
M 4545	Barisia		

14 July | Cerro San Felipe, ~~4.2 mi~~ along Mex. Hwy 175 4.2 mi (by road) S La Cumbre, elev. 7160 ft.

M 4546	Thorius	pulmonaris	F245
M 4547	"	"	
M 4548	"	"	
M 4549	"	"	F246 (part)

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14 July	Cerro San Felipe, along Mex. Hwy 175 4.2 mi. (by road) S of La Cumbre, elev. 7160 ft.	
M 4550	Thorius pulmonaris	F246 (part)
M 4551	" "	
M 4552	" "	F247
M 4553	" "	
M 4554	" "	
14 July	Cerro San Felipe, 9.4 km (by rd) W. La Cumbre, Oaxaca, Mexico (elev 2960 m)	
M4555	Pseudoeurycea smithi	
M4556	" "	
(S10)	" "	to Smithsonian
(S11)	" "	
(S12)	" "	
(S13)	" "	
(S14)	" "	
(S15)	" "	
(S16)	" "	
(S17)	" "	
(S18)	" "	
(S19)	" "	
(S20)	" "	
(S21)	" "	
(S22)	" "	
(S23)	" "	
(S24)	" "	

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14 July	Cerro San Felipe, 9.4 km (by rd) W. La Cumbre, Oaxaca, Mexico (elev. 2960 m)	
(S25)	Pseudoeurycea smithi	} to Smithsonian
(S26)	" "	
M4557	Pseudoeurycea unguidentis	
M4558	" "	
M4559	" "	
M4560	" "	
M4561	" "	
M4562	" "	
M4563	" "	
M4564	" "	
(S27)	" "	} to Smithsonian
(S28)	" "	
M4565	Thorius narisovalis	} Mex voucher
M4566	" "	
M4567	" "	
(S29)	" "	} to Smithsonian
(S30)	" "	
(S31)	" "	
(S32)	" "	
(S33)		
14 July	Cerro San Felipe, 5.1 km (by rd) E. La Cumbre, Oaxaca, Mexico (elev. 2440 m)	
M4568	Sistrurus sp. (Crotalus?)	
M4569	Snake sp.	
M4569a	Eumeces	

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15 July — Mex. hwy 131, 18.5 km (by rd) S. Sola de Vega, Distr. Sola de Vega, Oaxaca, Mexico (2150 m)

M 4570	Thorius	
M 4571	"	F257
M 4572	"	
M 4573	"	
M 4574	"	F258
M 4575	"	
M 4576	"	
M 4577	"	F259
M 4578	"	
M 4579	"	
M 4580	"	F260
M 4581	"	
M 4582	"	
M 4583	"	F261
M 4584	"	
M 4585	"	
M 4586	"	F262
M 4587	"	
M 4588	"	
M 4589	"	F263
M 4590	"	
M 4591	"	
M 4592	"	F264
M 4593	"	
M 4594	"	F265 (part)
M 4595	"	

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15 July (cont'd) Mex. hwy 131, 18.5 km (by rd) S. Sola de Vega, Distr. Sola de Vega, Oaxaca, Mexico (2150 m)

M 4596	Thorius	F265 (part)
M 4597	"	F266
M 4598	"	F266
M 4599	"	F266
M ~~45~~ 4600	"	F267
M 4601	"	F267
M 4602	"	F267
M 4603	"	F275
M 4604	"	F275
M 4605	"	F275
M 4606	"	F276
M 4607	"	F276
M 4608	"	F276
M 4609	"	to Martin Feder
M 4610	"	to Martin Feder
M 4611	"	to Martin Feder
M 4612	"	to Martin Feder
M 4613	"	to Martin Feder
M 4614	"	to Martin Feder
M 4615	"	to Martin Feder
M 4616	"	to Martin Feder
M 4617	"	to Martin Feder
M 4618	"	to Martin Feder
M 4619	"	
M 4620	"	
M 4621	"	

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15 July | Mex. Hwy 131, 18.5 km (by rd) S. Sola de Vega, Distr. Sola de Vega, Oaxaca, Mexico (elev. 2150 m)

M 4622	Thorius — Mex vanelin
M 4623	"
M 4624	"
M 4625	"
M 4626	"
M 4627	"
M 4628	"
M 4629	"
M 4630	"
M 4631	" —
M 4632	"
M 4633	"
M 4634	"
M 4635	"
M 4636	"
M 4637	"
M 4638	"
M 4639	" — — Mex [illegible]
M 4640	"
M 4641	" — "
M 4642	"
M 4643	"
M 4644	"
M 4645	"
M 4646	" —
M 4647	"

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15 July	Mex. hwy 131, 18.5 km (by rd) S. Sola de Vega, Distr. Sola de Vega, Oaxaca, Mexico (elev. 2150 m)
M 4648	Thorius
M 4649	"
M 4650	"
M 4651	"
M 4652	"
M 4653	"
M 4654	"
M 4655	"
M 4656	"
M 4657	"
M 4658	"
M 4659	"
M 4660abc	"
M 4661	Pseudoeurycea cochranae
M 4662	Bufo
M 4663	"
M 4664	"
M 4665	"
M 4666	"
M 4667	"
M 4668	"
M 4669	"
M 4670	"
M 4671	"
M 4672	"
M 4673	"

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15 July | Mex. hwy 131, 18.5 km (by rd) S. Sola de Vega, Distr. Sola de Vega, Oaxaca, Mexico (elev. 2150 m)

M 4674 Bufo
M 4675 Eleutherodactylus
M 4676 Eumeces
M 4677 "
M 4678 "
M 4679 "
M 4680 Anolis NEBULOSUS fide H.M. Smith
M 4681 Rhadinea
M 4682 "
M 4683 "

15 July | Mex. hwy 131, 10.8 km (by rd) S. Sola de Vega, Distr. Sola de Vega, Oaxaca, Mexico (elev. 1835 m)

M4684 Thamnophis

15 July | Mex. hwy 131, 9.3 km (by rd.) S. Sola de Vega, Distr. Sola de Vega, Oaxaca, Mexico (1850 m)

M4685 Bufo sp.
M4686 "
M4687 Anolis ~~sp.~~ NEBULOIDES fide HM Smith

16 July | Mex Hwy 175, 7.7 mi. (by road) N of Suchixtepec, Dist. Miahuatlan, Est. Oaxaca, Mexico, elev. 8170 ft

M4688 Thorius pulmonaris }
M4689 " " } F297
M 4690 " " }

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16 July	Mex. Hwy 175, 7.7 mi (by road) N of Suchixtepec, Dist. Miahuatlan, Est. Oaxaca, Mexico, elev 8170 ft	
M 4691	Thorius pulmonaris	F298
M 4692	" "	
M 4693	" "	
M 4694	" "	F299
M 4695	" "	
M 4696	" "	
M 4697	" "	F300
M 4698	" "	
M 4699	" "	
M 4700	" "	F301
M 4701	" "	
M 4702	" "	
M 4703	" "	
M 4704	" "	
16 July	Mex Hwy 175, 4.2 mi. (by road) N of Suchixtepec, Dist. Miahuatlan, Est. Oaxaca, Mexico, elev 8860'	
M 4705	Thorius pulmonaris	F302
M 4706	" "	
M 4707	" "	
M 4708	" "	F303
M 4709	" "	
M 4710	" "	
M 4711	" "	F304
M 4712	" "	
M 4713	" "	

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16 July — Mex. Hwy 175, 4.2 mi. (by road) N of Suchixtepec, Dist. Miahuatlan, Est. Oaxaca, Mexico, elev. 8860 ft.

M 4714	Thorius pulmonaris		
M 4715	"	"	F305
M 4716	"	"	
M 4717	"	"	
M 4718	"	"	F306
M 4719	"	"	
M 4720	"	"	
M 4721	"	"	F307
M 4722	"	"	
M 4723	"	"	
M 4724	"	"	F308
M 4725	"	"	
M 4726	"	"	
M 4727	"	"	F309
M 4728	"	"	
M 4729	"	"	
M 4730	"	"	Mex voucher
M 4731	"	"	
M 4732	"	"	
M 4733	"	"	
M 4734	"	"	
M 4735	"	"	
~~M 4736~~ M 4736	"	"	~~(lost)~~

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16 July | 15.5 km (hy rd.) W. San Vicente ~~La ...~~ Lachitio, Distr. Sola de Vega, Oaxaca, Mexico (elev. 2690m)

M4737	*Thorius* (pulmonaris?)
M4738	"
M4739	"
M4740	"
M4741	"
M4742	"
M4743	"
M4744	"
M4745	"
M4746	"
M4747	"
M4748	"
M4749	"
M4750	"
M4751	"
M4752	"
M4753	"
M4754	"
M4755	"
M4756	"
M4757	"
M4758	"
M4759	"
M4760	"
M4761	"
M4762	"

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Catalogue

16 July (cont'd) — 15.5 km (by rd) W. San Vicente ~~[illegible]~~ Lachitio, Distr. Sola de Vega, Oaxaca, Mexico (elev. 2690m)

M4763	*Thorius* (~~pl~~ *pulmonaris*?)	F310
M4764	"	F310
M4765	"	F310
M4766	"	F311
M4767	"	F311
M4768	"	F311
M4769	"	F312
M4770	"	F312
M4771	"	F312
M4772	"	F313
M4773	"	F313
M4774	"	F313
M4775	"	frozen
M4776	"	F314
M4777	"	F314
M4778	"	F315
M4779	"	F315
M4780	"	F315
M4781	"	F316
M4782	"	F316
M4783	"	F316
M4784	"	F317
M4785	"	F317
M4786	"	F317
M4787	"	F318 (part)
M4788	"	F318 (part)

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Catalogue

16 July ~~Laxichio~~ Lachixio — 15.5 km (hyrd) W. San Vicente Lachixio, Distr. Sola de Vega, Oaxaca, Mexico (elev. 2690 m)

M4789 *Thorius* (*pulmonaris*?) } F318 (part)
M4790 "
M4791 " — frozen } F319
M4792 "
M4793 *Pseudoeurycea cochranae*
M4794 "
M4795 "
M4796 "
M4797 "
M4798 "
M4799 "
M4800 "
M4801 "
M4802 "
M4803 "
M4803a *Barisia* (*gadovii*?) } kept alive for John Wright
M4803b "

16 July 18.6 km (hyrd) W. San Vicente Lachixio, Distr. Sola de Vega, Oaxaca, Mexico (elev. 2650 m)

M4804 *Eleutherodactylus* (may be more than 1 species)
M4805 "
M4806 "
M4807 "
M4808 "
M4809 "
M4810 "
M4811 "

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16 July (cont'd) 18.6 km (by rd) W. San Vicente Lachixio, Distr. Sola de Vega, Oaxaca, Mexico (elev. 2650 m)

M4812 Eleutherodactylus
M4813 "
M4814 "
M4815 "
M4816 "

16 July ~~4.2~~ 13.2 km (by rd) W. San Vicente Lachixio, Distr. Sola de Vega, Oaxaca, Mexico (elev. 2730 m)

M4817 Thorius (pulmonaris?)
M4818 "
M4819 Pseudoeurycea cochranae
M4820 "
M4821 "
M4822 Barisia (gadovii?) } kept alive for John Wright
M4823 " } kept alive for John Wright
M4823a Sceloporus

17 July 15.0 km (by rd) NE San ~~Jose~~ Juan del Estado, Distr. Etla, Oaxaca, Mexico (elev. 2550 m)

M4824 # Thorius (pulmonaris?) F320
M4825 Anolis sp.

17 July 15.6 km (by rd) NE San Juan del Estado, Distr. Etla, Oaxaca, Mexico (elev. 2510 m)

M4826 Snake sp.

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16 July | 9 km. (by rd) W. La Cumbre, Distr. Centro, Oaxaca, Mexico (9640 ft. elev.)

M4827 Thamnophis
M4827a snake sp.

18 July | hills above Mex. hwy 190, 1.5 km (by rd) NE Tejocote, Distr. Nochixtlán, Oaxaca, Mexico (2325-2375 m)

M4828 Thorius (pulmonaris?) F321
M4829 Pseudoeurycea cochranae
M4830 " "
M4831 Abronia mixteca — kept alive
M4832 Sceloporus sp. 1 (large, pointed dorsal scales)
M4833 " "
M4834 "
M4835 "
M4836 Sceloporus sp. 2 - small, rounded dorsal scales
M4837 "
M4838 "
M4839 Snake - stomach contained remains of Eleutherodactylus

21 July | LLano de las Flores, 24.9 Km (by rd) N. Guelatao (via Mex hwy 175), Oaxaca, Mexico (2830 m)

M4840 Thorius sp. 1
M4841 "
M4842 "
M4843 "
M4844 "
M4845 "
M4846 "

} - Mex voucher

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Catalogue

27 July (cont'd)

Llano de los Flores, 24.9 km (by rd.) N. Guelatao, via Mex. hwy 175, Oaxaca, Mexico (elev. 2830 m)

M4847 Thorius sp. 1
M4848 "
M4849 "
M4850 "
M4851 " — Mex voucher
M4852 "
M4852a "
M4853 "
M4853a "
M4854 "
M4854a "
M4855 "
M4855a "
M4856 Thorius sp. 2 } frozen F361
M4857 "
M4858 Thorius sp. 2
M4859 "
M4860 "
M4861 "
M4862 "
M4863 "
M4864 "
M4865 "
M4866 "
M4867 "
M4868 "
M4869 "
M4870 "
M4871 "
M4872 Hyla sp.

J.F. Lynch
1976

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21 July (cont'd)	Llano de las Flores, 24.9 km (hy rd) N. Guelatao, via Mex. hwy 175, Oaxaca, Mexico (elev. 2830 m)
M4873	*Sceloporus* sp.
M4874	"
M4875	"
21 July	Llano de las Flores, 27.8 km (hy rd) N. Guelatao, via Mex. hwy 175, Oaxaca, Mexico (elev. 2880 m)
M4876	*Pseudoeurycea* sp. frozen - F395
M4877	" frozen - F396
M4878	Thorius sp.
M4879	"
M4880	"
M4881	"
M4882	"
(S34)	"
(S35)	"
(S36)	"
(S37)	"
(S38)	"
(S39)	"
(S40)	"
(S41)	"
(S42)	"
(S43)	"
(S44)	"
(S45)	"
(S46)	"

(S34)–(S46): for Smithsonian

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21 July (cont'd)	Llano de las Flores, 27.8 km (by rd) N. Guelatao via Mex. hwy 175, Oaxaca, Mexico (elev. 2880 m).
(547)	Thorius sp. 1 — for Smithsonian
(548)	"
(549)	"
(550)	"
(551)	"
(552)	"
(553)	"
(554)	"
M4883	Thorius sp. 2
M4884	"

(M4885-5124 : see James Hanken's catalogue) - next page

23 July	Cuatlapan, Veracruz, Mexico (elev. 1000 m)
M5125	Lineatriton lineola — frozen
M5126	"
M5127	"
M5128	"
M5129	" [illegible]
M5130	Parvimolge townsendi
M5131	"
M5132	"
M5133	"
M5134	"
M5135	"
M5136	Thorius pennatulus
M5137	Bolitoglossa rufescens

Hanken, James 1976

Catalogue

19 July Mex Hwy 175, 17.4 mi. N (by road) jct. with Mex. Hwy 190, Est. Oaxaca, Mexico, elev. 7950 ft

M 4885 Eumeces

M 4886 "

M 4887 Sceloporus

M 4888 "

19 July Mex Hwy 175, ~~7.1~~ 6.4 mi (by road) N Guelatao, Est. Oaxaca, Mexico, elev. 7320 ft.

M 4889 Thorius F331

M 4890 Eleutherodactylus

M 4891 Eumeces

M 4892 "

19 July Mex Hwy 175, ~~13.5~~ 12.8 mi. N (by road) Guelatao, Est. Oaxaca, Mexico, elev. 9050 ft

M 4893 Thorius } F 332

M 4894 "

M 4895 " } F333

M 4896 "

M 4897 Thamnophis

19 July Mex Hwy 175, ~~20.5~~ 14.0 mi. (by road) N Guelatao, Est. Oaxaca, Mexico, elev. 9430 ft

M 4898 Thorius } F 334

M 4899 "

M 4900 Sceloporus

Hanken, James
1976

18.9
~~19.5~~
~~25.4~~

19 July — Mex Hwy 175, ~~24.5~~ mi (by road) N of Guelatao, Est. Oaxaca, Mexico, elev. 9470 ft.

M 4901	*Thorius*	
M 4902	"	F335 - small morph
M 4903	"	
M 4904	"	
M 4905	"	F336 - " "
M 4906	"	
M 4907	"	
M 4908	"	F337 - " "
M 4909	"	
M 4910	"	
M 4911	"	F338 - " "
M 4912	"	
M 4913	"	
M 4914	"	F339 - " "
M 4915	"	
M 4916	"	F340 large morph
M 4917	"	
M 4918	"	
M 4919	"	F341 " "
M 4920	"	F342 " "
M 4921	"	
M 4922	"	F343 (mixed ~~small~~ small presumably one sp.)
M 4923	"	
M 4924	"	
M 4925	"	F344 - "
M 4926	"	

Hanken, James 1976

Catalogue

19 July (cont'd) Mex. Hwy 175, ~~21.5~~ ~~19.5~~ 18.9 mi. (by road) N of Guelatao, Est. Oaxaca, Mexico, elev. 9470 ft

M 4927	~~[illegible]~~ Thorius	F 345 — large morph?
M 4928	"	
M 4929	"	
M 4930	"	
M 4931	"	
M 4932	"	
M 4933	"	
M 4934	"	
M 4935	"	
M 4936	"	
M 4937	"	
M 4938	"	
M 4939	"	
M 4940	"	
M 4941	"	
~~[illegible]~~	~~[illegible]~~	

~~[illegible]~~ 19 July Mex Hwy 175, ~~[illegible]~~ ~~23.9~~ 23.3 mi (by road) N of Guelatao, Est. Oaxaca, Mexico, elev. ~~9 ft~~ 9250 ft.

M 4942	Thorius	F 346
M 4943	"	F 346
M 4944	"	F 346
M 4945	"	F 347
M 4946	"	F 347
M 4947	"	F 348
M 4948	"	F 348
M 4949	"	F 348

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20 July

Catalogue

15.5

Mex Hwy 175, mi. N (by road) Guelatao, Est. Oaxaca, Mexico, elev. 9340 ft

M 4950	Thorius	F349
M 4951	"	
M 4952	"	
M 4953	"	F350
M 4954	"	
M 4955	"	
M 4956	"	F35[illegible]
M 4957	"	
M 4958	"	
M 4959	"	F352
M 4960	"	
M 4961	"	
M 4962	"	F353
M 4963	"	
M 4964	"	F354
M 4965	"	
M 4966	"	
M 4967	"	F355
M 4968	"	
M 4969	"	
M 4970	"	F356
M 4971	"	
M 4972	"	
M 4973	Sceloporus	

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	Mex. Hwy 175, ~~[illegible]~~ 14.3 mi. N (by road) Guelatao, Est. Oaxaca, Mexico, elev. 9340 ft.	
20 July		
M 4974	Thorius	F 357
M 4975	"	F 357
M 4976	"	F 357
M 4977	"	F 358
M 4978	"	F 358
M 4979	"	F 358
M 4980	"	F 359
M 4981	"	F 359
M 4982	"	F 359
20 July	3.1 mi. W Machin on road to Comaltepec, Est. Oaxaca, Mexico, elev. 7900 ft.	
M 4983	Pseudoeurycea belli	F 384
M 4984	" "	385
M 4985	Geophis	
M 4986	Toluca conica (JEC)	-snake
M 4987	"	"
M 4988	"	"
M 4989	"	"
M 4990	"	"
M 4991	"	"
M 4992	Eumeces	
M 4993	"	
M 4994	"	
M 4995	"	
M 4996	"	
M 4997	"	

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20 July (cont'd)	3.1 mi. W Machin on road to Comaltepec, Est. Oaxaca, Mexico
M 4998	Eumeces
M 4999	"
M 5000	Sceloporus
M 5001	"
M 5002	"
20 July	1.8 mi. W Machin on road to Comaltepec, Est. Oaxaca, Mexico, elev. 8540ft
M 5003	Pseudoeurycea?
M 5004	Thorius } F428
M 5005	" } F428
M 5006	" } F428
M 5007	" } F429
M 5008	" } F429
M 5009	" } F429
M 5010	" } F430
M 5011	" } F430
M 5012	" } F430
M 5013	" } F431
M 5014	" } F431
M 5015	" } F431
M 5016	" } F432
M 5017	" } F432
M 5018	" } F432
M 5019	" } F433 (cont'd)
M 5020	" } F433 (cont'd)

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20 July (cont'd) 1.8 mi. W Machin on road to Coaltepec, Est. Oaxaca, Mexico, elev. 8540 ft.

M 5021 Thorius F433

M 5022 "

M 5023 "

M 5024 "

M 5025 "

~~M 5026 "~~

M 5027 Sceloporus

20 July Cerro Pelon where road crosses top, ~~31.6~~ 31.1 ~~20.7 mi~~ mi. (by road) N Guelatao, Est. Oaxaca, Mexico, elev 9460 ft.

M 5028 Thorius } F363

M 5029 "

M 5030 "

M 5031 " } F364

M 5032 "

M 5033 "

M 5034 " } F365

M 5035 "

M 5036 "

37) ~~M 5037~~ ~~H~~ " } F366

038 ~~M 5038~~ ~~3~~ "

~~037-8 void~~

20 July 1 Km N top Cerro Pelon, Mex. Hwy 175, ~~30.4~~ 31.8 mi N Guelatao, Est. Oaxaca, Mexico, elev. 9040 ft

M 5039 Thorius

M 5040 " F362

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1976 Mex. Hwy 175,

21 July 28.5 mi N (by road) Guelatao, Est. Oaxaca, Mexico, elev. 8930 ft.

M 5041 Thorius } F381

M 5042 "

M 5043 Eumeces

(31.8 ~~32.4~~ mi. N Guelatao)

21 July Mex. Hwy 175, 1 Km N top of Cerro Pelon, Est. Oaxaca, Mexico ~~32.4 mi N (by road) Guelatao,~~ elev. 9040 ft.

M 5044 Pseudoeurycea juarezi

M 5045 " "

M ~~4~~5046 " "

M 5047 " "

M 5048 " " — F360

M 5049 Thorius } F367

M 5050 "

M 5051 "

M 5052 " } F368

M 5053 "

M 5054 "

M 5055 " } F369

M 5056 "

M 5057 " } F370

M 5058 "

M 5059 " } F371

M 5060 "

M 5061 "

M 5062 " } F372 (part)

M 5063 "

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21 July (cont'd)	Mex. Hwy 175, 1 km N top of Cerro Pelon, (31.8 ~~32.4~~ mi. N Guelatao) Est. Oaxaca, Mexico	
M5064	Thorius	F372 (part)
M5065	"	F373
M5066	"	F373
M5067	"	F373
M5068	"	F374
M5069	"	F374
M5070	"	F374
M5071	"	F375
M5072	"	F375
M5073	"	F375
21 July	Mex Hwy 175, 33.5 ~~34.4~~ mi. N Guelatao, Est. Oaxaca, Mexico, elev. 8120 ft.	
M5074	Pseudoeurycea juarezi	
M5075	" "	
M5076	"	
M5077	Thorius	F454
M5078	"	F454
M5079	"	F454
M5080	"	F455
M5081	"	F455
M5082	"	F455
M5083	"	F456
M5084	"	F456
M5085	"	F456
M5086	"	~~F457 (part)~~

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21 July (cont'd) Mex. Hwy 175, ~~34.4~~ 33.5 mi. N Guelatao, Est. Oaxaca, Mexico, elev. 8120 ft.

M 5087 *Thorius* [illegible] (part)

M 5088 "

M 5089 *Eleutherodactylus*

M 5090 "

M 5091 *Sceloporus*

21 July Mex. Hwy 175, ~~35.3~~ 34.7 mi (by road) N Guelatao, Est. Oaxaca, Mexico, elev. 7660 ft

M 5092 *Pseudoeurycea juarezi*

M 5093 "

M 5094 "

M 5095 *Thorius* } F382

M 5096 "

M 5097 " } F383

M 5098 "

cloud (M 5095–5098)

M ~~5099~~ 5095 *Eleutherodactylus*

M 5100 *Barisia*

21 July Mex. Hwy 175, ~~42.3~~ 41.7 mi (by road) N of Guelatao, Est. Oaxaca, Mexico, elev. 6640 ft

M 5101 *Chiropterotriton*

M 5102 "

M 5103 "

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21 July Mex. Hwy 175, ~~44.0~~ 44.3 mi (by road) N of Guelatao, Est. Oaxaca, Mexico, elev. 6500 ft.

M 5104 Chiropterotriton

21 July Mex. Hwy 175, ~~52~~ 51.4 mi. (by road) N Guelatao, Est. Oaxaca, Mexico, elev. 4750 ft

M 5105 Hyla

M 5106 "

22 July Barranca de San Miguel, 4 km (by road) E Cuatlalpan and 1 km N ~~the~~ of hwy, Est. Veracruz, Mexico, elev. 3100 ft.

M 5107 Eleutherodactylus

M 5108 "

22 July vicinity of ~~Casd~~ Casa de Senon, W of Cuautlalpan, Est. Veracruz, Mexico, elev. ~3500 ft.

M 5109 Lineatriton lineola } F426

M 5110 " "

M 5111 Thorius pennatulus } F376

M 5112 " "

M 5113 " "

M 5114 " " } F377

M 5115 " "

M 5116 " "

M 5117 " " } F378

M 5118 " "

M 5119 " "

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22 July — Vicinity of Casa de Senon, W of Cuauttalpan, Est. Veracruz, Mexico, elev. ~3500 ft.

M 5120	Thorius pennatulus		F 379
M 5121	" "		F 379
M 5122	" "		F 379
M 5123	Bufo	#	F 387
M 5124	Ninia		

start at M ~~5350~~ 5500

~~24 July 7.4 mi. ESE San Felipe on road to Micro Ondas (old road to Lagunas San Bernardino), Est. Puebla, Mexico, elev. 8750 ft.~~

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23 July (cont'd)	Cuautlapam, Veracruz, Mexico (elev. 1000 m)
M5138	*Bufo*
M5139	"
M5140	*Eleutherodactylus* (or *Syrrophus*)
M5141	snake sp. ("coffee snake" - banded)
23 July	lower slope of Cerro Chicahuaxtla, Cuautlapam, Veracruz, Mexico (elev. 1100-1200 m)
M5142	*Lineatriton lineola*
M5143,a,b	3 *Thorius pennatulus*
M5144	*Bolitoglossa rufescens* - kept alive
M5145	*Bufo* - frozen
M5146	"
M5147	"
M5148	*Xenosaurus grandis*
M5149	" "
M5150	snake (large, stout - like a giant *Geophis*)
23 July	upper slopes of Cerro Chicahuaxtla, Cuautlapam, Veracruz, Mexico (1500 - 1560 m)
M5151	*Parvimolge townsendi*
M5152	" } frozen
M5153	" } frozen
(S55)	" for Smithsonian
M5154	*Pseudoeurycea nigromaculata* - frozen

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23 July — Forest above Xometla, Veracruz, Mexico
(elev. 8600-8640 feet)

M5155	Thorius (spilogaster?)	F434
M5156	" "	
M5157	" "	
M5158	" "	F435
M5159	" "	
M5160	" "	
M5161	" "	F436
M5162	" "	
M5163	" "	
M5164	" "	F437
M5165	" "	
M5166	" "	
M5167	" "	F438
M5168	" "	
M5169	" "	
M5170	" "	
M5171	" "	
M5172	Thorius sp.	F439 - 2 vials, one is actually 445
M5173	" "	
M5174	" "	
M5175	" "	F440
M5176	" "	
M5177	" "	
M5178	" "	F441
M5179	" "	
M5180	" "	

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Catalogue

23 July (Cont'd) Forest above Xometla, Veracruz, Mexico (elev. 8600-8640 feet)

M5181	Thorius	sp.	F442
M5182	"	"	
M5183	"	"	
M5184	"	"	F443
M5185	"	"	
M5186	"	"	
M5187	"	"	F444
M5188	"	"	
M5189	"	"	
M5190	"	"	F445 - incorrectly labeled vial as 439
M5191	"	"	
M5192	"	"	
M5193	"	"	F450
M5194	"	"	
M5195	"	"	
M5196	"		
M5197	"		
M5198	"		
M5199	"		
M5200	"		
M5201	"		
M5202	"		
M5203	"		
M5204	"		
M5205	"		
M5206	"		
M5207	"		

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23 July (Cont'd) <u>Forest above Xometla, Veracruz, Mexico (8600-8640 feet)</u>

M5208	*Thorius* sp.	
M5209	"	
M5210	"	
M5211	"	
M5212	"	
M5213	"	
M5214	"	
M5215	"	
M5216	"	
M5217	"	
M5218	"	
M5219	"	
M5220	"	
M5221	"	
M5222	*Pseudoeurycea leprosa*	
M5223	"	
M5224	"	
M5225	"	
M5226	"	
M5227	"	
M5228	"	
M5229	"	frozen (M5225–M5234)
M5230	"	
M5231	"	
M5232	"	
M5233	"	
M5234	"	

Catalogue

23 July (cont'd) Forest above Xometla, Veracruz, Mexico (elev. 8600-8640 feet)

M5235	Pseudoeurycea leprosa	frozen
M5236	"	frozen
M5237	"	frozen
M5238	"	frozen
M5239	"	frozen
M5240	"	frozen
M5241	"	frozen
M5242	"	frozen
M5243	"	frozen
M5244	"	frozen
M5245	Pseudoeurycea gadovii	frozen
M5246	"	frozen
M5247	"	frozen
M5248	"	frozen
M5249	"	frozen
M5250	"	frozen
M5251	Chiropterotriton chiropterus	
M5252	"	
M5253	"	
M5254	"	
M5255	"	frozen
M5256	"	frozen
M5257	"	frozen
M5258	"	frozen
M5259	"	frozen
M5260	"	frozen
M5261	"	frozen

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23 July (cont'd)	forest above Xometla, Veracruz, Mexico (elev. 8600-8640 feet)
M5262	Chiropterotriton chiropterus
M5263	" "
M5264	" "
M5265	" "
M5266	" "
M5267	" "
M5268	" "
M5269	" "
M5270	" "
M5271	" "
M5272	" "
M5273	" "
M5274	" "
M5275	" "
M5276	" "
M5277	" "
M5278	" "
M5279	" "
M5280	" "
M5281	" "
M5282	" "
M5283	" "
M5284	" "

(M5262–M5284: frozen)

[note: Hanken will start his catalog on M5500]

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24 July — 3.1 km (by rd) S. Puerto del Aire, Veracruz, Mexico (2380 m)

(556) [illegible]	Thorius troglodytes	for Smithsonian
(557)	" "	
(558)	" "	
(559)	" "	
(560)	" "	
(561)	" "	
(562)	" "	
(563)	" "	
(564)	" "	
(565)	" "	
(566)	" "	
(567)		

[other specimens from this stop in Hanken's catalogue)

25 July — 11.0 km (by rd) NNE Perote on rd to Teziutlan, Veracruz, Mexico (elev. 2220 m)

M5285	Pseudoeurycea cephalica	
M5286	"	
M5287	"	
M5288	"	
M5289	"	
M5290	"	
M5291	"	
M5292	"	kept alive for tissue
M5293	"	
M5294	"	
M5295	"	

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25 July (cont'd)	11.0 km (by rd) NNE Perote on rd to Teziutlan, Veracruz, Mexico (elev. 2220 m)
M5296	Pseudoeurycea cephalica } kept alive for tissue
M5297	"
M5298	"
M5299	"
M5300	"
M5301	"
M5302	Pseudoeurycea leprosa
M5303	" "
M5304	" " } kept alive for tissue
M5305	" "
M5306	" "
M5307	Chiropterotriton chiropterus
M5308	Eleutherodactylus
M5309	Eumeces lynxe
M5310	" "
M5311	" "
M5312	" "
M5313	" "
M5314	" "
M5315	Sceloporus sp.
M5316	Toluca sp. (several color phases - may be diff. spp)
M5317	
M5318	
M5319	
M5320	
M5321	Thamnophis sp.

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25 July Mex. hwy 140, 4.5 km (by rd) W. Las Vigas, Veracruz, Mexico (2420m)

M5322	*Pseudoeurycea cephalica*	
M5323	"	
M5324	"	
M5325	"	kept alive for tissue
M5326	"	kept alive for tissue
M5327	"	kept alive for tissue
M5328	*Pseudoeurycea leprosa*	kept alive for tissue
M5329	"	kept alive for tissue
M5330	"	kept alive for tissue
M5331	*Chiropterotriton chiropterus*	
M5332	"	
M5333	"	
M5334	"	
M5335	"	
M5336	"	
M5337	"	
M5338	"	
M5339	"	
M5340	"	
M5341	"	
M5342	"	kept alive for tissue
M5343	"	kept alive for tissue
M5344	"	kept alive for tissue
M5345	"	kept alive for tissue
M5346	"	kept alive for tissue
M5347	"	kept alive for tissue

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25 July (Cont'd) Mex hwy 140, 4.5 km (by rd) W. Las Vigas, Veracruz, Mexico (elev. 2420 m.)

M5348	Chiropterotriton chiropterus	kept alive for tissue
M5349	"	
M5350	"	
M5351	"	
M5352	"	
M5353	"	
M5354	"	
M5355	"	
M5356	"	
M5357	"	
M5358	"	
M5359	"	
M5360	"	
M5361	Thorius (troglodytes?)	
M5362	"	
M5363	"	
M5364	"	
M5365	"	
M5366	"	
M5367	"	
M5368	"	
M5369	"	
M5370	"	
M5371	"	
M5372	"	
M5373	"	

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25 July (cont'd) Mex hwy 140, 4.5 km (by rd) W. Las Vigas, Veracruz, Mexico (elev. 2420 m)

M5374 *Thorius* (*troglodytes*?)
M5375 " "
M5376 " "
M5377 " "
M5378 " "
M5379 " "
M5380 " "
M5381 " "
M5382 " "
M5383 " "
M5384 " "
M5385 " "

26 July Volcan Popocatepetl, 2.1 km (by rd) S. Paso de Cortez, Mexico, Mexico (elev. 3720 m)

M5386 *Sceloporus*

26 July Ridge between Volcans Popocatepetl and Ixtaccihuatl, along Mex. hwy 196, 16.2 km (by rd) E. Jct. hwy 115, Mexico, Mexico (elev. 3300 m)

M5387 *Chiropterotriton* *chiropterus*
M5388 "
M5389 "
M5390 "
M5391 "
M5392 "

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26 July Ridge between Volcans Popocatepetl and Ixtaccihuatl, along Mex. hwy 196, 16.2 km (by rd) E. Jct. Mex hwy 115, Mex, Mexico (elev. 3300 m)

M5393 "
M5394 "
M5395 "
M5396 "
M5397 "
M5398 "
M5399 "
M5400 "
M5401 "
M5402 " (tagged one animal M5402a - one # missing)
M5403 Pseudoeurycea leprosa
M5404 "
M5405 "
M5406 "
M5407 "
M5408 "
M5409 Barisia imbricata — kept alive for John Wright

26 July Ridge between Volcans Popocatepetl and Ixtaccihuatl, along Mex hwy 196, 14.1 km (by rd) E. Jct. Mex hwy 115, Mex, Mexico (3230 m)

M5410 Chiropterotriton chiropterus
M5411 "
M5412 "
M5413 "
M5414 "
M5415 "

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26 July (cont'd) Ridge between Volcans Popocatepetl and Ixtaccihuatl, along Mex hwy 196, 14.1 km (by rd) E. Jct hwy 115, Mex., Mexico (elev. 3230 m)

M5416	Chiropterotriton chiropterus	
M5417	"	
M5418	"	
M5419	"	
M5420	"	
M5421	"	kept alive for tissue (M5421–M5441)
M5422	"	
M5423	"	
M5424	"	
M5425	"	
M5426	"	
M5427	"	
M5428	"	
M5429	"	
M5430	"	
M5431	"	
M5432	"	
M5433	"	
M5434	"	
M5435	"	
M5436	"	
M5437	"	
M5438	"	
M5439	"	
M5440	"	
M5441	"	

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26 July (cont'd) Ridge between Volcans Popocatepetl and Ixtaccihuatl, along Mex Hwy 196, 14.1 km (by rd) E. Jct. Hwy 115, Mexico, Mexico (Elev 3230m)

M5442 " - kept alive for tissue

M5443 *Pseudoeurycea leprosa*

M5444 "

M5445 "

M5446 "

M5447 "

M5448 "

M5449 "

M5450 "

M5451 "

M5452 "

M5453 "

M5454 " } kept alive for tissue

M5455 "

M5456 "

M5457 "

M5458 "

M5459 "

M5460 "

M5461 "

M5462 "

M5463 "

M5464 "

M5465 "

M5466 "

M5467 "

M5468 "

~~[illegible]~~

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27 July | Desierto de los Leones Nat'l Park, 8.8 km (by rd) SW La Venta (Mex. hwy 15), Distrito Federal, Mexico (elev 3000 m)

M5469 *Chiropterotriton chiropterus*
M5470 "
M5471 "
M5472 "
M5473 "
M5474 "
M5475 "
M5476 "
M5477 "
M5478 "
M5478 "
M5479 "
M5480 " Kept alive for tissue
M5481 "
M5482 "
M5483 "
M5484 "
M5485 "
M5486 "
M5487 "
M5488 "
M5489 "
M5490 "
M5491 "
M5492 "

~~END MEXICO 1976 CATALOGUE~~

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	7.4 mi. ESE San Felipe on road to Micro Ondas (old road to Lagunas San Bernardino), Est. Puebla, Mexico, elev. 8750 ft.
24 July	
M 5500	Pseudoeurycea firscheini - regurgitated from Thamnophis
M 5501	Thorius
M 5502	"
M 5503	"
M 5504	"
M 5505	"
M 5506	"
M 5507	"
M 5508	"
M 5509	"
M 5510	"
M 5511	"
M 5512	"
M 5513	"
M 5514	"
M 5515	"
M 5516	"
M 5517	"
M 5518	"
M 5519	Sceloporus
M 5520	"
M 5521	"
M 5522	"
M 5523	Thamnophis

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24 July 6.2 mi. ESE San Felipe on road to Micro Ondas (old road to Lagunas San Bernardino), Est. Puebla, Mexico, elev. 9200 ft.

M 5524	Thorius		
M 5525	"		
M 5526	"		
M 5527	"		
M 5528	"		

24 July 3.2 Km S of Puerto del Aire, Est. Veracruz, Mexico

M 5529	Chiropterotriton	chiropterus	
M 5530	"	"	
M 5531	"	"	
M 5532	"	"	F 446
M 5533	"	"	F 446
M 5534	"	"	F 446
M 5535	"	"	F 447
M 5536	"	"	F 447
M 5537	Thorius	(dubitus?)	F 451
M 5538	"	"	F 451
M 5539	"	"	F 451
M 5540	"	"	F 452
M 5541	"	"	F 452
M 5542	"	"	F 452
M 5543	"	"	F 453
M 5544	"	"	F 453
M 5545	Thorius	(~~troglodytes?~~) sp.	F 457 (part) – found on ground but have keeled tail

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24 July (cont'd) 3.2 Km S of Puerto del Aire, Est. Veracruz, Mexico

M 5546	Thorius (~~troglodytes?~~) sp.	F457 (part) Found on ground, but tail has keel - may be same as bromeliad Thorius (dubitus)
M 5547	"	
M 5548	"	
M 5549	"	
M 5550	"	F463 - same as 5 above
M 5551	"	
M 5552	"	
M 5553	"	
M 5554	"	
M 5555	Thorius ~~#~~ (troglodytes?)	F475
M 5556	"	
M 5557	"	
M 5558	"	
M 5559	"	
M 5560	"	
M 5561	"	
M 5562	"	
M 5563	"	
M 5564	"	
M 5565	"	F476 (part)
M 5566	"	
M 5567	"	
M 5568	"	
M 5569	"	
M 5570	"	
M 5571	"	

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24 July (cont'd) 3.2 Km S of Puerto del Aire, Est. Veracruz, Mexico

M 5572	Thorius (troglodytes?)	F 476 (part)
M 5573	"	
M 5574	"	
M 5575	"	F 477
M 5576	"	
M 5577	"	
M 5578	"	
M 5579	"	
M 5580	"	
M 5581	"	
M 5582	"	
M 5583	"	
M 5584	"	
M 5585	"	F 478
M 5586	"	
M 5587	"	
M 5588	"	
M 5589	"	
M 5590	"	
M 5591	"	
M 5592	"	
M 5593	"	
M 5594	"	
M 5595	"	F 479 (part)
M 5596	"	
M 5597	"	

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24 July (cont'd) — 3.2 Km S of Puerto del Aire, Est. Veracruz, Mexico

M 5598	Thorius (troglodytes?)	F479 (part)
M 5599	"	F479 (part)
M 6000	"	F479 (part)
M 6001	"	F479 (part)
→ M 6003	"	F479 (part)
M 6004	"	F479 (part)
M 6005	"	F479 (part)
M 6006	"	F458
M 6007	"	F458
M 6008	"	F458
M 6009	"	F459
M 6010	"	F459
M 6011	"	F459
M 6012	"	
M 6013	"	
M 6014	"	
M 6015	"	
M 6016	"	
M 6017	"	
M 6018	"	void - no specimen
M 6019	Coniophanes?	

24 July — Mex. Hwy 150, 0.7 mi. W of Puerto del Aire on Puebla-Veracruz border, Est. Puebla, Mexico

M 6020	Thorius	F449
M 6021	Hyla	

Hauken, James 1976

Catalogue

24 July (cont'd) Mex. Hwy 150, 0.7 mi W of Puerto del Aire at Puebla-Veracruz border, Est. Puebla, Mexico

M 6022 Hyla
M 6023 "

24 July slopes behind Casa de Miguel Ceron, Cuatlapam, Est. Veracruz, Mexico

M 6024 Xenosaurus grandis
M 6025 " "
M 6026 " "
M 6027 " "
M 6028 " "
M 6029 " "

(M 6024–M 6029: collected 23 July by René Ceron)

M 6030 Bolitoglossa platydactyla - collected 24 July by ~~an~~ a niño

26 July 4.2 mi. (by road) NE of Huatusco, Est. Veracruz, Mexico, elev. 4250 ft

M 6031 Sceloporus
M 6032 Scincella
M 6033 - snake (dark w/ yellow neck ring)
M 6034 " "
M 6035 " "
M 6036 " " - alive

1.2 mi. (by road) N of Teocelo town square, Est. Veracruz, Mexico, elev. 3680 ft

M 6037 - snake (dark w/ yellow neck ring)
M 6038 " "

Hanken, James 1976

Catalogue

31 July — Asoleadero, 2 mi. (by road) SW of Carrizal de Bravos, Est. Guerrero, Mexico

M6039	Thorius	
M6040	"	
M6041	"	
M6042	"	
M6043	"	
M6044	"	
M6045	"	
M6046	"	
M6047	"	
M6048	"	
M6049	"	
M6050	"	
M6051	"	F460
M6052	"	F460
M6053	"	F460
M6054	"	F460
M6055	"	F461
M6056	"	F461
M6057	"	F461
M6058	"	F461
M6059	"	F462
M6060	"	F462
M6061	"	F462
M6062	"	F462
M6063	"	F464 (part)
M6064	"	F464 (part)

Hanken, James
1976

Catalogue

31 July — Asoleadero, 2 mi. (by road) SW of Carrizal del Bravos, Est. Guerrero, Mexico

M 6065	*Thorius*	F 464 (part)
M 6066	"	
M 6067	"	F 465 (~~part~~)
M 6068	"	
M 6069	"	
M 6070	"	
M 6071	"	F ~~464~~ 466
M 6072	"	
M 6073	"	
M 6074	"	
M 6075	*Pseudoeurycea*	
M 6076	*Sceloporus*	
M 6077	"	
M 6078	"	
M 6079	"	
M 6080	"	
M 6081	"	

31 July — 0.7 mi. (by road) SW of Asoleadero (2.7 mi. SW of Carrizal del Bravos), Est. Guerrero, Mexico

M 6082	*Thorius*	
M 6083	"	

31 July — vicinity of ~~Ase~~ Carrizal del Bravos, Est. Guerrero, Mexico

M 6084	*Barisia*	form
M 6085	"	to John Wright
M ~~6086~~ 6086	"	

Hanken, James 1976

Catalogue

1 August slopes behind Casa de Miguel Ceron, Cuatlapan, Est. Veracruz, Mexico

M 6087 Bolitoglossa platydactyla
M 6088 Xenosaurus grandis
M 6089 " "
M 6090 " "
M 6091 " "
M 6092 " "
M 6093 " "
M 6094 " " - skin & skeleton

1 August Mex. Hwy 95, 4 1/2 mi. (by road) N of Chilpancingo, Est. Guerrero, Mexico
M 6095 -gecko
~~1 August~~

3 August Mex Hwy 60, 14 mi. W of turnoff to Galeana, Est. Nuevo Leon, Mexico
M 6096 Phrynosoma orbiculare

Costa Rica

23 August - 14 September 1977

291 - 381

Hanken, James 1977

Catalogue

~~US~~ US Interstate 5, 1.3 mi. S (by road) of Ft. Tejon, Kern Co, Calif

5 Jan 291 Eumeces gilberti

Hotel Caribé across from Parqué Vargas, Limon, Prov. Limon, Costa Rica

23 Aug 292 [illegible] ♀ - bat; found in street
- tissue

Green Turtle Station, Tortuguero, Prov. Limon, Costa Rica

24 Aug 293 - rat; found floating in river by dock

71438 26 Aug 294 Sphaerodactylus lineatus

295 Dendrobates pumilio

296

297

298

299

300

301

302

303 Scaphiodontophis venustissimus ~~tissue~~ tissue to Berkeley - heart, liver, kidney, gut; carcass to FSM — FSM 41112

27 Aug 304 Leptodactylus pentadactylus - FSM 40779
♀ w/embryo

29 Aug 305 - bat (in mist net)

1 mile ~~E~~ S of Green Turtle Station, Tortuguero, ~~Costa~~ Prov. Limon, Costa Rica

31 Aug 306 [illegible] - tissue

307 " - "

Hanken,
James
1977

Journal

1 mile S of Green Turtle Station, Tortuguero,
Prov. Limon, Costa Rica

31 Aug 308 - tissue
309

vicinity of Hotel La Georgina, Villa Mills,
Prov. Cartago, ~~25~~ Costa Rica, elev. 2500 m.

4 Sept 310 Bolitoglossa subpalmata frozen
=52950 311
others 312
=2551 313
-2569 314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330 alive

Hanken, James 1977

Catalogue

vicinity of Hotel La Georgina, Villa Mills, Prov. de Cartago, Costa Rica, elev. 2000 m

4 Sept 331 Bolitoglossa subpalmata alive
332
333
334
335
336
337

El Empalme, Prov. de Cartago, Costa Rica, elev. 2200 m.

4 Sept 338 Bolitoglossa sp.
339 "
340 Bacisia

A & Carla Markmann, coll

forest N of Monteverde Garden, Monteverde, Prov. Puntarenas, Costa Rica

171437
8 Sept 341 Anolis sp.
342 Geophis ?
Z 186505 343 Bolitoglossa robusta eggs (one clutch)
344 Eleutherodactylus
345 "
~~346~~
~~347~~
~~348~~
~~349~~
~~350~~

Hanken, James 1977

Catalogue

J + Carla Markmann, coll. Volcan Poas, along road between Visitor's ~~center~~ center and crater lookout, Volcan Poas Nat'l Park, Prov Alajuela, Costa Rica, elev ~2500 m.

9 Sept 346 Bolitoglossa subpalmata

347 ↓ ↓

348

349

350

351

352

353

354 Rana

J + Carla Markmann, coll. Volcan Poas, 4 km (by road) SW of crater lookout, Prov. Alajuela, Costa Rica, elev ~2400 m.

9 Sept 355 Barisia

J + Carla Markmann, coll Volcan Poas, 8 km (by road) SW of crater lookout, Prov. Alajuela, Costa Rica

9 Sept 356 Anolis

Pan-American Highway at Tres Ríos, Prov. de Cartago, Costa Rica, elev. 1350 m.

11 Sept 357 Geophis ?

171545 358 Ninia maculata

Hanken, James 1977

Catalogue

Volcan Turrialba, ~4 Km (by road) W of Santa Cruz which is ~10 Km NW (by air) of Turrialba, Prov. de Cartago, Costa Rica, elev ~2000 m

13 Sept 359

Volcan Turrialba, 7 Km (by road) NW of Santa Rosa which is 3 Km (by road) NW of Turrialba, Prov. de Cartago, Costa Rica, elev ~1300 m

13 Sept 360 *Rana "pipiens"*
361 " "

Volcan Turrialba, ~4 Km (by road) NW of Santa Rosa which is 3 Km (by road) NW of Turrialba, Prov. de Cartago, Costa Rica, elev. ~1100 m

13 Sept 362 *Eleutherodactylus*

Forest NW of jct Hwy's 12 + 2 at El Empalme, Prov. de Cartago, Costa Rica, elev ~2200 m

14 Sept 363 *Bolitoglossa*
364 "
365 "
366 "

Pan-American Highway, 22 km S of El Empalme, Prov. de Cartago, Costa Rica

~2949 14 Sept 367 *Bolitoglossa subpalmata* — see sp. acc't for color notes 28 Sept
368 " "
369 " "

Hanken
James
1977

Catalogue

Pan-American Highway, 22 Km S of El Empalme, Prov. de Cartago, Costa Rica

14 Sept	370	Bolitoglossa	subpalmata	see
	371	"	"	sp. acc't
367-377	372	"	"	28 Sept for
S2939-2949	373	"	"	color notes
	374	"	"	
	375	"	"	
	376	"	"	
	377	"	"	
	378	"	"	
	379	"	"	
	380	"	"	
	381a	"	"	
	381b	"	"	

Rolling Hills Day Camp, I. U. Willets Rd, Albertson, Long Island, New York

18 Sept	382	gray squirrel (+ tissue)

~~228~~

Mexico

5 - 22 December 1978

383 - 786

Hanken, James 1978

Catalogue

27.8 Km (by road) SE of Tlaxiaco on road to San Miguel, Est. Oaxaca, Mexico, elev. 2980 m.

5 Dec 383 *Thorius* sp.
384 *Pseudoeurycea*
385 *Sceloporus*
386 "

29.5 km (by road) SE of Tlaxiaco on road to San Miguel, Est. Oaxaca, Mexico, elev. 3080 m.

~~5 Dec 386~~

5 Dec 387 *Thorius* sp. Frozen
388
389
390
391
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400
401
402
403
404 ↓ ↓

Hanken, James 1978

~~Journal~~ Catalogue

29.5 km (dry road) SE of Tlaxiaco on road to San Miguel, Est. Oaxaca, Mexico, 3080 m

5 Dec 405 Thorius sp. Frozen
406
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430

Hanken, James 1978

Catalogue

29.5 km (by road) SE of Tlaxiaco on road to San Miguel, Est. Oaxaca, Mexico, 3080 m.

5 Dec 431 Thorius sp.
432
433
434
435
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Hanken, James 1978

Catalogue

29.5 km (by road) SE of ~~San Miguel~~ Tlaxiaco on road to San Miguel, Est. Oaxaca, Mexico, 3080 m.

5 Dec 458 Thorius sp.
459 ↓
460
461
462
463
464
465
466
467 Pseudoeurycea sp. frozen (tissue)
468 ↓ ↓
469
470
471

24.1 km (by road) SE of Tlaxiaco on road to San Miguel, Est. Oaxaca, Mexico, 2665 m.

5 Dec 472 Thorius sp. frozen } no tag in nunc tube
473 ↓ ↓
474
475
476
477
478
479
480

Hanken, James 1978

Catalogue

24.1 km (by road) SE of Tlaxiaco on road to San Miguel, Est. Oaxaca, Mexico, 2665 m.

5 Dec 481 Thorius sp. Frozen
482 ↓ ↓
483
484
485

25 km (by road) W of Zaachila, Est. Oaxaca, Mexico, 2770 m.

6 Dec 486
487

25.1 km (by road) W of Zaachila, Est. Oaxaca, Mexico, 2780 m.

6 Dec 488 Thorius Frozen
489 ↓ ↓
490
491
492
493
494
495
496 — frozen separately (2nd sp?) see color notes
497 Eleutherodactylus
498 Rhadinaea?

Hanken, James 1978

Catalogue

28.1 km W (by road) of Zaachila, Est. Oaxaca, Mexico, 2760 m.

6 Dec 499 Pseudoeurycea

22 km (by road) SW of Totontepec, Est. Oaxaca, Oaxaca, Mexico, elev 2490 m.

7 Dec 500 Thorius sp. frozen

501

502

503

504

505 Pseudoeurycea juarezi

16.1 km (by road) SW of Totontepec, Est Oaxaca, Oaxaca, Mexico, elev. 2580 m.

7 Dec 506 Pseudoeurycea juarezi

507 " "

6.0 Km (=3.6 mi) (by road) SW of Totontepec, Est. Oaxaca, ~~M~~ Oaxaca, Mexico, ~~elev.~~

7 Dec 508 Hyla

19.0 Km (by road) SW of Totontepec, Est. Oaxaca, Oaxaca, Mexico, elev. 2600 m.

7-8 Dec 509 Thorius sp. frozen

510

511

512

Hanken, James
1978

Catalogue

19 km (by rd) SW of Totontepec, Est. Oaxaca, Oaxaca, Mexico, elev. 2600 m.

7-8 Dec 513 Thorius sp. frozen
514
515
516
517
518
519
520
521
522
523 Pseudoeurycea juarezi tissue
524
525
526
527
528 formalin
529
530
531
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537
538

Hanken, James 1978

Catalogue

19 km (by rd) SW of Totontepec, Est. Oaxaca, Oaxaca, Mexico, elev. 2600 m.

7-8 Dec	539	Pseudoeurycea juarezi	formalin
	540	↓	↓
	541		
	542		
	543		
	544		
	545		
	546		
	547		↓
MVZ 167578	548		alive
167579	549		↓
167580	550		
167581	551		
167582	552		
167583	553		
167584	554		
	555		
	556	↓	↓
	557	Eleutherodactylus	
	558	Barisia	
	559	↓	
	560	↓	
	561	Sceloporus	
	562	↓	
	563	↓	

Hanken, James 1978

Catalogue

2 Km (by road) N of Tamazulapan (which is NE of Mitla), Est. Oaxaca, Mexico, elev. 2000 m.

8 Dec 564 Rhadinea -DOR

30 km (by road) NE of Mitla on road to Tamazulapan, Est. Oaxaca, Mexico, elev 1480 m.

8 Dec 565 Masticophis -DOR

15.5 km W (by road) of San Vicente Lachixio, Est. Oaxaca, Mexico, elev. 2730 m.

10 Dec 566 Thorius sp. Frozen - both size classes mixed (see color notes)
567
568
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581
582
583

Hanken, James 1978

Catalogue

15.5 km W (hwy rd) San Vicente Lachixio, Est. Oaxaca, Mexico, elev. 2730 m.

10 Dec 584 *Thorius* sp. Frozen
585
586
587
588
589 Pseudoeurycea cochranae
590
591
592 *Gerrhonotus* (?)
593 *Sceloporus*
594

13.2 km W (hwy rd) of San Vicente Lachixio, Est. Oaxaca, Mexico, elev 2710 m.

10 Dec 595 *Thorius* sp. Frozen (see 15.5 km W)
596
597
598
599
600
601
602
603
604
605
606

Hanken, James 1978

Catalogue

13.2 km (W'ly road) of San Vicente Lachixio, Est. Oaxaca, Mexico, elev 2710m.

10 Dec 607 *Thorius* sp. Frozen
608
609
610
611a
611,b
612 *Pseudoeurycea cochranae*

~~Pan Am highway (Mexico #175)~~ Mexican Hwy 175 at turnoff to San Vicente Lachixio (8 km S of San Martin Lachila), Est. Oaxaca, Mexico

10 Dec 613 *Trimorphodon* (?)

12 km (by road) E of San Felipe (Nicolas Bravo) on road to Lagunas del San Bernardino, Est. Puebla, Mexico, elev. 2680m

16 Dec 614 *Thorius* "weirdio"? Frozen
615
616
617
618
619
620
621
622
623
624

Hanken, James 1978

Catalogue

12 km (dry road) E of San Felipe (Nicolas Bravo) on road to Laguna del San Bernardino, Est. Puebla, Mexico, elev. 2680 m.

16 Dec 625 Thorius "weirdio"? Frozen
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646 Pseudoeurycea

Hanken, James 1978

Catalogue

13.2 km (dry road) E of San Felipe ~~on road~~ (Nicolas Bravo) on road to Lagunas del San Bernardino, Est. Puebla, Mexico, elev 2630 m.

16 Dec 647 Thorius "weirdio"? Frozen

10 km ~~[illegible]~~ (dry road) E of San Felipe (Nicolas Bravo) on road to Lagunas del San Bernardino, Est. Puebla, Mexico, elev. 2800 m

16 Dec 648 Thorius "weirdio"? Frozen

649
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667

Hanken, James 1978

Catalogue

10 km (by road) E of San Felipe (Nicolas Bravo) ~~on road to~~ on road to Lagunas del San Bernardino, Est. Puebla, Mexico, elev. 2800 m.

16 Dec 668 Thorius "weirdio"? frozen

669

670

671

672

673 alive (get tissue in Berkeley?)

674

675

676

677

678

679

680

11.1 km (by road) E of San Felipe (Nicolas Bravo) on road to Lagunas del San Bernardino, Est. Puebla, Mexico, elev. 2730 m.

16 Dec 681 Thorius "weirdio"? frozen

682

683

1.2 km S of Puerto del Aire, Est. ~~P~~ Veracruz, Mexico, elev. 2350 m.

16 Dec 684 Thorius alive

Hauken, James 1978

Catalogue

2.7 km (by road) SW of Huatusco (park at SW edge), Est. Veracruz, Mexico, elev. 1240 m

17 Dec 685 ~~Chiropterotriton (?)~~ Parvimolge

686 Eleutherodactylus

6.6 km (by road) NE of Huatusco, Est. Veracruz, Mexico, elev. 1220 m.

17 Dec 687 ~~Chiropterotriton~~ (?) Parvimolge

Barranca de San Miguel, 1 km N ~~to~~ Hwy, 4 km E of Cuatlalpan, Est. Veracruz, Mexico, elev. 885 m

18 Dec 688 Parvimolge townsendi

167585 689 ~~Lineatriton lineola~~ Parvimolge [illegible]

167586 690 "

691 Lineatriton lineola

692 "

Pond 0.5 km SW of Nopaltepec which is 6 km from Mex Hwy 132 at turnoff to Tepetzingo, Est. Mexico, Mexico, elev. 2420 m.

20 Dec 693 Ambystoma tigrinum tissue

694

695

696

697

698

699

700

Hanken, James 1978

Catalogue

Pond 0.5 km SW of Nopaltepec, which is 6 km. from Mex. Hwy 132 at turnoff to Tepetlixingo, Est. Mexico, Mexico, elev. 2420 m.

20 Dec	701	Ambystoma tigrinum	tissue
	702	↓	↓
	703		
	704		
	705		
	706		
	707		↓
	708		Formalin
	709		↓
	710		
	711		
	712		
	713		
	714		
	715		↓
	716		alive to HBS
	717		↓
	718		
	719		
	720		
	721		
	722		
	723		
	724		
	725	↓	↓

Hanken, James 1978

Catalogue

Pond 0.5 km SW of Nopaltepec, which is 6 km from Mex. Hwy 132 at turnoff to Tepetzingo, Est. Mexico, Mexico, elev. 2420 m.

20 Dec	726	Ambystoma tigrinum	alive
	727	↓	↓
	728		
	729		
	730		
	731		
	732		
	733		
	734		
	735		
	736	↓	↓

6.7 km from Mex. Hwy 105 on road to El Chico Natural Park, near Pachuca, Est. Hidalgo, Mexico, elev. 2860 m.

20 Dec	737	Ambystoma tigrinum	tissue
	738	↓	↓
	739		
	740		
	741		
	742		
	743		
	744		
	745		
	746	↓	↓

Hanken, James 1978

Catalogue

6.7 km. from Mex. Hwy 105 on road to El Chico Natural Park, near Pachuca, Est. Hidalgo, Mexico, elev. 2860 m.

Date	No.	Species		
20 Dec	747	Ambystoma tigrinum	tissue	
	748	↓	↓	
	749			
	750			
	751		↓	
	752		alive	to HBS
	753		↓	↓
	754			
	755			
	756			
	757			
	758			
	759			↓
	760			
	761			
	762			
	763			
	764			
	765			
	766			
	767	↓	↓	
	768	Hyla eximia		
	769	↓		

Hanken, James
1978

Catalogue

Mex. Hwy 15, 18 km (by road) SW of Toluca, Est. Mexico, Mexico, elev.

22 Dec	770	*Ambystoma*	tissue
	771	↓	↓
	772		
	773		
	774		
	775		to HBS
	776		↓
	777		
	778		
	779		
	780		
	781		
	782		
	783		
	784	*Sceloporus*	- scalaris group?

19 km SW of Morelia on road to Patzcuaro (via Presa Cointzio), Est. Michoacan, Mexico, elev. 2040 m.

23 Dec	785	*Rana*	- pipiens group
	786	"	"

787-91 T. [illegible] (= T1 – T5) - C.S.U.F.
792 B. attenuatus (= T6) - Berkeley

1981 - 1984

Nova Scotia, Canada
Misc. Localities U.S.

793 - 1084

Hanken, James
1981

Catalogue

Jct of Highway's 102 and 214 near Elmsdale, Hants Co, Nova Scotia, Canada. B Freedman, J. Gillen, and J. Hanken, coll.

April 793 Rana sylvatica (series)
- 3 egg masses raised in lab
- 6°C in pond when collected

Route 14, 3.2 mi SE of Upper Nine Mile River, Hants Co, N.S. J. Gillen, B. Freedman, J. Hanken, coll.

7+10 April 794 A. maculatum
795 "
796 A. laterale
797 "
798 ~~80~~ " } sent to Berkeley
~~799~~ 799 "
800 "
801 "
802 "
803 "

Julia's (heart-shaped) pond, approx. 1/2 mi W of Bedford Basin at end of Kent Lane, Halifax Co, N.S.; B. Freedman, E. Greene, + J. Hanken, coll.

18 April 804 Ambystoma maculatum pres. 5 May
805 " " ↓
806 " "
807 " "
808 " "
809 " "

Hanken, James 1981

Catalogue

Julia's (heart-shaped) pond, approx. 1/2 mi W of Bedford Basin at end of Kent Lane, Halifax Co., Nova Scotia, Canada; B. Freedman, E. Greene, + J. Hanken, coll.

8 April 810 Ambystoma maculatum
811 " "
812 " "
813 " "
814 " "
815 " "
816 " "
817 " "
818 " "
819—838 to Berkeley

gravel pit along Route 366, 2.5 mi SW of Tidnish Bridge, Cumberland Co, N.S. S Susnowitz + J. Hanken, coll.

May 839 Ambystoma laterale ?
840 " " ?
841 " " ?
842 " " ?
843 " " ?
844 " " ?
845 Ambystoma maculatum pres 5 May
846 " "
847 " "
848 " "
849 " "
850 Hyla crucifer pres. 5 May
851 " "

Hanken,
James
1981

Catalogue

Gravel pit along Route 366, 2.5 mi SW of Tidnish Bridge, Cumberland Co., Nova Scotia, Canada; S. Susnowitz + J. Hanken, coll.

ay 852 Plethodon cinereus
853 " "
854 " "
855 " "
856 " "
857 " "
858 " "
859 " "
860 " "
861 " "
862 " " pres. 5 May
863 " " "
864 " " "
865 " " pres. 5 May

Point Pleasant Park (pond at Main Entrance), Halifax, Halifax Co, N.S. B. Freedman, E. Greene, and J. Hanken, Coll.

18 April 866 Ambystoma maculatum
- clutch of eggs collected, raised in lab

Julia's (heart-shaped) pond approx. 1/2 mi. W of Bedford Basin at end of Kent Lane, Halifax Co, N.S. B. Freedman, E. Greene, J. Hanken coll

867 A. maculatum eggs deposited in lab, discovered 1 May, raised in lab

Hanka, James 1982

Catalogue

NE slope of Glascow Mtn. along Brown Brook, ~12 km NW of Parrsboro, Cumberland Co, Nova Scotia, Canada, elev. 350 - 400 ft. (45°29' no. lat., 64°26' w. long.)

18 May (w/J. Gilhen)	868	*Plethodon cinereus*	♂ [illegible] #1	c&s
	869	"	♀	
	870	"	♀	
	871	"	♀	
	872	"	♀	
	873	"	♂	
	874	"	♀	
	875	"	♀	
	876	"	♀	
	877	"	♀	
	878	"	♀	
	879	"	♀	
	880	"	♀	
	881	"	♀	
	882	"	♀	
	883	"	♀	
	884	"	♀	
	885	"	♀	
	886	"		
	887	"		
	888	"		
	889	"		
	890	"		
	891	"		

Hauker, James 1982

Catalogue

NE slope of Glascow Mtn. along Brown Brook, ~12 km NW of Parrsboro, Cumberland Co., Nova Scotia, Canada, elev. 350-400 ft. (45°29' no. lat., 64°26' w. long.)

18 May (w/J. Gilhen)	892	*Plethodon cinereus*	C+S
	893	"	
	894	"	
	895	"	
	896	"	
	897	"	
	898	"	
	899	"	
	900	"	
	901	"	
	902	"	
	903	"	
	904	"	
	905	"	
	906	"	
	907	"	
	908	"	
	909	"	
	910	"	
	911	"	
	912	"	
	913	"	
	914	"	
	915	"	

Hanken, James 1982

Catalogue

NE slope of Glascow Mtn. along Brown Brook, ~1/2 km NW of Parrsboro, ~~Ct~~ Cumberland Co., Nova Scotia, Canada, elev. 350-400 ft. (45°29' no. lat., 64°20' w. long.)

18 May (w/ J. Gilhen) 916 Plethodon cinereus C+S

917 "

918 "

919 "

920 "

921 "

922 "

923 "

924 "

925 "

926 "

927 "

928 "

929 "

930 "

931 "

932 "

933 "

934 "

935 "

936 "

937 "

938 "

939 "

Hanken,
James
1982

Catalogue

River Philip Rd., km N of Economy in Cobequid Mtns., Colchester Co., Nova Scotia, Canada, elev.

18 May 940 *Plethodon cinereus* locality #2
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963

Hanken, James 1982

Catalogue

River Philip Road, km N (by rd) of Economy in Cobequid Mtn's, Colchester Co, Nova Scotia, Canada, elev.

18 May	964	Plethodon cinereus
	965	"
	966	"
	967	"
	968	"
	969	"
	970	"
	971	"
	972	"
	973	"
	974	"
	975	"
	976	"
	977	"
	978	"
	979	"
	980	"
	981	"
	982	"
	983	"
	984	"
	985	"
	986	"
	987	"

Hanken,
James
1982

Catalogue

River Philip Rd., 5 km (by rd) N of Economy in Colequid Mtns., Colchester Co., Nova Scotia, Canada

18 May 988 *Plethodon cinereus*

Hanken, James 1983

Catalogue

Old Guysborough Rd, NE of Halifax Int'l. Airport between Goffs and Devon, Halifax Co., Nova Scotia, Canada; Jim Dale, coll.

22 Apr 989 Ambystoma maculatum
990 " "
991 " "
992 " "
993 " "
994 " "
995 " "
996 " "
997 " "

Holl~~and's~~in's Pond, Holl~~and's~~in's Ranch, ~14 mi. N of Lyman, [in Lincoln City] Co., Colorado; J. Mitton, T. Kocher, + R. Sage, coll.

August 998 Ambystoma tigrinum
999 " "
1000 " "
1001 " "
1002 " "
1003 " "
1004 " "
1005 " "
1006 " "
1007 " "
1008 " "
1009 " "

Hankon, James 1983

Catalogue

Holl~~and~~in's Pond, Holl~~and~~in's Ranch, ~14 mi. N. of ~~Lyman,~~ in Lincoln City, Co., Colorado; J. Mitton, T. Kocher, + B. Sage, coll.

August	1010	*Ambystoma*	*tigrinum*
	1011	"	"
	1012	"	"
	1013	"	"
	1014	"	"
	1015	"	"
	1016	"	"
	1017	"	"
	1018	"	"
	1019	"	"
	1020	"	"
	1021	"	"
	1022	"	"
	1023	"	"
	1024	"	"
	1025	"	"
	1026	"	"
	1027	"	"
	1028	"	"
	1029	"	"

Hanken,
James
1984

Catalogue

Dismal Swamp, Old Dominion University property, along North ditch, adjacent to National Wildlife Refuge boundary. C. Ray Chandler, Michelle C. Chandler, Maureen L. Hudson, Patrick Megonigal, Christopher A. Pague, and Alan H. Savitzky, coll.

3 June

1030 *Plethodon cinereus*
1031 "
1032 "
1033 "
1034 "
1035 "
1036 "
1037 "
1038 "
1039 "
1040 "
1041 "
1042 "
1043 "
1044 "
1045 "
1046 "
1047 "
1048 "
1049 "

Hanken, James

Catalogue

3 June — Dismal Swamp, Old Dominion University property, along North ditch, adjacent to National Wildlife Refuge boundary. C. Ray Chandler, Michelle C. Chandler, Maureen L. Hudson, Patrick Megonigal, Christopher A. Pague, and Alan H. Savitzky, coll.

1050 Plethodon cinereus
1051 "
1052 "
1053 "
1054 "
1055 "
1056 "
1057 "
1058 "
1059 "
1060 "
1061 "
1062 "
1063 "
1064 "
1065 "
1066 "
1067 "

Hanken, James

Catalogue

3 July — Boulder, Colorado. Obtained as larvae from Jacek Szymura who bred 1 pr. of adults in Philadelphia (obtained from Pim Arntzen)

1068 *Bombina maxima* Gos 41
1069 " Gos 42
1070 " Gos 42
1071 " Gos 40 (late)
1072 " Gos 42
1073 " Gos 44
1074 " Gos 41
1075 " Gos 42
1076 " Gos 39 (or early 40)

3 June — Boulder, Colorado. Lab animals that died

1077 *Bombina orientalis* - ♀ J
1078 " " - ♀ L
1079 " " - ♀ B
1080 " " - ♀ K
1081 *Xenopus laevis*
1082 *Discoglossus pictus* } from Campanella
1083 " "
1084 " "

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